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HCUAL07	449	953876	1 - 442	15 - 456	AI919285, AI091391, AI143678, AW152653, H92931, AW243238, AI863952, AI263430, AI308855, AA814965, AF079098, and AF079099.
HCUAM57	450	574375	1 - 313	15 - 327	T91791, AW071109, AI087055, AA338281, AA225175, AA525157, AA973913, AI348567, AI370548, AC004000, AL121769, AL049759, AL021940, AC008115, AC003108, AC008119, AC005288, AC005037, U96629, AC009464, AC007676, AC002349, AL079342, AL050317, U95739, AC007308, AC003101, AC007263, AL034549, AL136504, AC003962, AC005899, AF130343, AL122020, D87675, AL034429, AC004616, AP000141, AC003037, AC005067, AC004890, AC002992, AC007253, AC002302, AC007240, Z82203, AC004685, AC004491, AC004953, AC005391, AC004132, AC015853, and AC006211.
HCUAM95	451	727174	1 - 243	15 - 257	AA613766, Z82901, and AL136520.
HCUAN44	452	574154	1 - 499	15 - 513	AA985143, AL133245, AC009239, AP000500, Z97183, and AL020997.
HCUAN49	453	577897	1 - 163	15 - 177	AA651923, AA765019, AA668900, AA968447, and AC004968.
HCUAN72	454	850140	1 - 191	15 - 205	AL049709.
HCUAO03	455	924902	1 - 311	15 - 325	AA595705, AI886736, AA765409, AC005011, AF196971, AC006530, AC005520, AC006236, and AB020875.
HCUAO28	456	850062	1 - 334	15 - 348	T94088.
HCUAQ92	457	506688	1 - 279	15 - 293	
HCUAR07	458	933872	1 - 147	15 - 161	AW167136.
HCUAT07	459	933869	1 - 484	15 - 498	AL042660, AA633908, AI791151, AW339562, and AL021396.
HCUAU02	460	920694	1 - 140	15 - 154	
HCUAU16	461	574193	1 - 294	15 - 308	
HCUAX57	462	934633	1 - 294	15 - 308	AI243475, AW183326, H22954, and F04138.
HCUBB28	463	685493	1 - 225	15 - 239	AA569686.
HCUBB46	464	577238	1 - 327	15 - 341	

HCUBE26	465	810522	1 - 99	15 - 113	15 - 421	AA381762, M78032, AA381747, AW339422, AA470490, AI198718, AI590404, AW404225, AI045108, H62550, AA297207, H54511, N41775, AI915081, F35684, AW440368, AW247389, R69819, AA856866, AA501807, AI306717, AI309943, AW440568, N67313, AA565911, AA678932, AW081610, AI538236, AI824476, T94988, T74524, N84161, AA714073, AA665532, H12857, AI823705, AI925065, AI025930, C06004, AW088631, N68449, AW238253, AI889995, AI271762, AA745351, AA513851, AA678616, AW078821, AI962030, AA018923, AA012829, AW088656, AI653776, AI126814, T07225, AW019964, A749152, AA496309, AA644223, AW338860, AA581498, AI620992, AA468494, AA552586, AW390284, AA630122, AI347665, AA846923, AI457389, AI568659, AA701131, AI417586, T40629, AA297662, H01852, AW082104, R93919, AL041924, AW080118, AI648514, AW084173, AI472736, T52822, AA579399, H40478, AI561241, AW021007, AW086291, AA309362, AI860535, AA584756, AA331158, AI053934, AA601653, H07953, AA744048, AI955360, AA745383, AI120976, F08866, AI053597, AI889579, H25938, AW328446, AI277373, AI278440, N70449, AA599080, T54144, AA368359, AI598056, AA862312, N54538, AI445557, AA179659, AI041240, AW265688, C06210, T40799, AI445338, AW265279, AA878492, AA434078, M77908, C15504, AI278972, AI446336, AI189097, AI049630, AA586433, AL079809, AA218631, AW242031, AW408767, T92394, AA339923, AA744094, AA654038, AP000065, AL049576, AC004655, AL034418, AC002429, AC005037, AL109984, AL031848, AC002288, AC007055, Z99716, AL049776, Z93017, AC004882, U62293, AC006449, Z84480, AC006539, AL096701, AC005562, AC006238, AC005057, AL031311, AC006211, AC004000, AC002302, AC009516, AL031680, AP000252, AF111168, AL135744, AP000689, AC005884, AC007676, AC007993, AC004966, AC004644, AP000555, AP000131, AP000209, Z83820, U91321, AP000212, AP000134, AC005871, AL109628, AC005519, AP000208, AP000130, AP000248, AC007227, AC005488, AL049757, AC006101, AP000247, AL139054, AC006578, AC007878, Z69733, AC005261, AL022721, U91323, AC004531, AC004098, Z85986, AC005225, AB003151, AC005726, AF001552, AC003013, Z83826, AC004263, AL035249, AL121658, AC006480, AC005233, AC004491, AC006121, AL031597, AL031846, AC005071, AL031767, AP000213, AC000025, AL022165, AF146367, AC004938, AL049712, AL022323, AL133485, AL049569, AC006965, AC004855, AC007376, AC005015, AC004448, Z84469, U78027, AP000135, AL109952, AL031282, L35533, AP000552, AC004031, AC004662, AL035409, Z97630, AC005520, AC005399, AC004876, AL096791, AC006581, AP000557, AC006285, AL121653, AJ003147, AL080243, AC002425, AC005800, AL049653, AC005060, AC004895, AC004253, AC006160, AC005081, AC004125, AC004859, AC002375, AC004520, AF111167, AL031291, AC008115, AC005180, AC005730, AC006515, AL024498, Z84487, AL035422, AF124523, AC004887, D83253, Z93241, AP000031, U95740, AC004409, AP000356, AC005332, AC000353, AP000556, AL049795, AF109907, AC004878, AL133448, AF176915, L78810, AC003665, AL031657,
HCUBE27	466	574097	1 - 407	15 - 421		

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HCUBE55	467	574203	1 - 376	15 - 390	
HCUBG79	468	781681	1 - 177	15 - 191	
HCUBG83	469	537501	1 - 206	15 - 220	
HCUBH45	470	575720	1 - 121	15 - 135	
HCUBI13	471	862161	1 - 375	15 - 389	H93071, H50664, AW086257, AF754336, AA634786, AW021583, AI939442, AL138396, AW008317, T91187, T40617, AI307201, AI192631, AI804138, U91321, U52112, Z29373, AC005229, AP000337, AB012286, AL109801, AC004966, AC005089, AC004638, AC006449, AC006049, AP000215, AC002553, AC006582, AB023049, AP000961, AC009069, AL031577, AL035703, AC006312, AC007057, U76377, AC004485, AC006253, AP000513, AC009743, AC012599, AL022238, AC005081, AL049539, AF095725, AC005231, Z68870, AL021394, AC003012, AC004864, AL049557, AC004099, AC006237, AC007151, Z82194, AJ229042, AC004841, AL049776, AL031427, AC004520, AL035494, U80017, AC006441, AC005274, AC004913, AL033518, AC005695, AP000079, AC005049, AL117340, AC005067, AL023575, AC004770, AL023807, AC005145, AL122126, Z94277, AC004974, AC005335, AL031681, AC007537, AC004887, AC005790, AL049576, AC00353, Z94721, AC008928, AC011604, AL080243, AL031665, AE000658, AC005324, AC005519, AC005069, U85195, AC004257, AC005799, AC004820, AL031447, AP000354, AC005827, L44140, AC005780, AC005971, AP000959, AL132987, AC005255, AL079295, AC004253, X87344, AC004890, AC000069, AL049777, AL035683, and AL023576.
HCUBI14	472	574199	1 - 99	15 - 113	
HCUBI15	473	881192	1 - 338	15 - 352	
HCUBI38	474	792415	1 - 533	15 - 547	
HCUBI43	475	685512	1 - 115	15 - 129	AJ246003, and AL121658.
HCUBI49	476	961748	1 - 144	15 - 158	
HCUBI74	477	574235	1 - 388	15 - 402	

HCUBJ11	478	967484	1 - 314	15 - 328	D61636.
HCUBJ42	479	574265	1 - 312	15 - 326	
HCUBK01	480	917257	1 - 409	15 - 423	<p>AI279417, AA558404, T05617, AI049955, AI568659, AI284536, AI251563, AA491423, AA610255, AI792695, AW302832, AI024511, AI792856, AL040816, AA629759, AA078384, AA635433, AW271095, AA381990, AL135377, AI948984, AI733946, AL039042, AL039041, AA775205, AI948959, AI733930, AA652910, H45698, AA838192, AA101744, AI792842, AI281622, AL043878, AI252190, T52745, AA557911, AA743968, AI815583, AW407632, AI732807, AI252141, AW328202, AI816537, AI280574, AL121287, AW337805, AI358712, AW275432, F01666, AI792746, AA847499, AI753672, AA642823, AW265155, AL048479, AA326452, AA324088, AI282629, AI798313, AI042373, AI245693, AI129421, AA326330, AA582746, AA683069, AW151018, AL118925, AA564925, AA303770, W24312, AL038977, AA460924, AI049845, AA772873, AI798041, AA579399, AI114657, AA536040, AI249365, AL096791, AC007025, Z82244, AC006312, AL049699, AC004185, Z97634, AC006026, AC007537, AC009247, AC007639, U80930, AC005670, AF157623, AL034402, Z98743, AC005725, AC005365, AC004668, AF006752, AC005338, AL021366, AC004963, AL117344, AC005072, AF024534, AC004031, AL050318, AC004254, AC005081, AL080317, Z97832, AL035495, AC005751, AC008123, AC002316, AC005086, AC004099, AC006012, AC004799, AP000109, AP000041, AL034549, AC000039, L47234, AL022238, AC007385, AC005952, AC006441, AL050332, AL049650, AL135744, Z83838, Z83826, AC006965, AC011331, AP000008, X62358, AL023807, AC002295, Z98747, AC002366, AF051976, AC004694, AC007773, AP000153, AP000704, M89651, AC000082, AC005300, AL031737, AL008712, Z97053, AL139054, AL031904, AC009294, AC008044, AC005587, Z99496, AC004531, AC007130, AC005661, AC003037, AL024498, AL023879, AC004778, AC007566, L81612, AC005037, D84394, AL022311, AF091512, AL132987, AC004663, AC006047, AL008582, Z83843, AC005736, AC005164, AL096803, AC000088, AC005088, Z99570, AL109628, AC000394, AP000509, AL008718, AC006236, AC000071, Z95118, AC004656, AF001552, AC005546, AC005695, Z84484, Z99716, AP000504, AL022326, AC004961, AC004686, AL080250, AP000347, AJ003147, Z95115, AC004013, AC006930, AJ010770, AL121754, AC004881, AC009363, Y12853, AC004097, AC005005, AC004922, AL049758, AC002544, AC005609, AC005666, AF130342, AC005753, AL117355, AC007565, AC005519, AL034420, AL049776, AC002545, AC005015, AC004921, AF129756, AC005632, AD000864, AC004851, AC005099, AC004750, AP000288, AC005280, AC005487, AL021578, AL031735, AC000353, AL049631, AL022717, AC003107, AC006597, Z82194, AL079304, AC009784, AC007201, U73643, AL031003, AL031387, AC003682, AL035461, AC007625, AC007899, AL024509, AC005041, AC007536, AL035462, AC005681, AL035460, AL021398, Z49208, AC005003, AC003012, U52111, AC020663, AC006946, AC005484, AC004583, AL109963, Z83844, AL031447, AF001550, AJ229043, AL009179, AL109798, AP000501, AL096757, AL078638,</p>

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HCUBK36	481	850132	1 - 492	15 - 506	
HCUBK39	482	577234	1 - 491	15 - 505	
HCUBK46	483	574120	1 - 368	15 - 382	
HCUBK49	484	574122	1 - 365	15 - 379	AI200051, AA714595, AW086257, AW406755, AA317170, AA610438, AA342256, AL118947, F32705, AW408063, AW069807, AI358229, AI345518, AA526193, AL037291, AA663306, AI281881, AA557879, AA652057, AA649642, AA569468, T40617, AI499094, AA503168, AI963095, AL118911, AI049634, AA670126, AA743972, AA095511, T63597, N27353, AW088058, AA125788, AW265393, AW196798, AW023389, AW028429, AI150670, AW406447, AI281903, AL037945, AI061296, AI355206, AL041368, H58472, W07032, AW406659, AL138242, W07122, AL134703, F29989, AI365988, AL133862, AI865804, AA491814, AA747889, AW339687, AA516225, AI038990, AI635272, AA932099, AW302909, AW008317, AA228420, T59509, H86301, AI446474, AL042420, AA318652, AI912322, AW407340, H86264, AI708009, AL119123, AI352078, AA720746, AW316969, AI796627, AW439558, AL048925, AA640979, AL036523, AI633007, AA838479, AI679713, AI801482, AA947370, AA349854, AA838477, AA121919, AA878495, AA658235, AA804993, R44592, Z97198, AP000503, AF134726, AC005067, AP000275, AC004614, AP000037, AP000105, Z94721, Z84814, AC007130, AC007690, Z32772, AL008721, AC020663, AL031662, AC000086, AP000701, AL022098, AC004841, AB020869, AP000017, AC005365, AC006001, L78810, AC007051, AC007919, AC000070, Z93016, AP000884, AC005754, AC004477, AP000962, AC002045, AC005593, AC007395, AL096766, AC002349, AC004887, AC004891, U91325, AC004534, AL132712, AB003151, AP000688, AC004760, AP000159, AP000018, AC006111, AC004799, AC004820, AL031587, AL035450, AL096701, AC007240, AL080317, AC004991, AC005081, AC004814, AC007024, Z73358, U91319, AC003009, AC003005, AL035535, AL109758, AC006064, AC005329, AC005887, AL034402, AC005880, Z95152, AC002365, AC010175, AC005829, AC007970, U73638, AC004996, AC005164, AC005701, AL021395, AL078639, AC005376, AL022158, AP000349, AL109759, AF045555, U73645, AL121655, AC002072, Z86090, AL035604, AC005940, AL031769, AL049759, AF043105, AL049539, AC008372, AC008122, AC007001, AC004061, AP000557, Z98048, AC007444, AC004263, AC004755, U11309, AC006600, AL023802, Z74617, AC000125, AC007536, AC004650, AC005699, AC003688, AF129756, AP000517, AP000692, AL031132, AL021154, AC003963, AC006254, AL023801, AF067846, AC007695, AL096774, AC004008, AL049633, AC012380, AL035420, AL031291, AC007535, AC007537, AL022329, AC006322, AL008731, AC005019, AF207550, AC004896, AL022337, AC006275, Z98749, AP000350, AF001549, AC004881, Z85986,

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HCUBL12	485	739021	1 - 198	15 - 212	
HCUBL65	486	574201	1 - 297	15 - 311	
HCUBM86	487	577291	1 - 332	15 - 346	AL117328.
HCUBN07	488	953879	1 - 179	15 - 193	AA662395.
HCUBN21	489	577287	1 - 331	15 - 345	
HCUBN38	490	971421	1 - 172	15 - 186	AW089099, and AC004227.
HCUBN66	491	664536	1 - 135	15 - 149	
HCUBO08	492	959928	1 - 305	15 - 319	AC006388.
HCUBP69	493	526757	1 - 133	15 - 147	AL031683.
HCUBP89	494	850016	1 - 347	15 - 361	
HCUBQ76	495	575352	1 - 269	15 - 283	AI061235.
HCUBQ85	496	967074	1 - 327	15 - 341	AW328178, AW328000, AA501777, AA503770, AA749428, AC004854, AC005536, AP000547, and AC004621.
HCUBS58	497	522378	1 - 295	15 - 309	AA342137, F19690, AA069872, T78945, AA347735, R68248, AI453160, AI564294, AA632765, AI471467, AA181917, W01359, AC004983, AC007225, D87675, AC004851, AP000090, AF196969, AC004967, Z98941, AL031003, AF222685, AC005233, AC002126, AC006241, AC007382, AF130248, AC007193, AL035086, U07563, AC004778, AC000070, AL096702, AF075007, AC005529, AL080286, AP000689, AP000688, AC000025, Z83846, AP000354, AB003151, AL109758, AC005695, AL034554, Z97053, L44140, AP001052, AC002477, AC005962, AC004168, AL117337, AL021155, AC005226, AL031681, AL031255, U91321, AL133163, AC004228, and AL035460.
HCUBS72	498	577286	1 - 431	15 - 445	AI355281, AI978712, AA664521, AI076616, F31796, F31799, F37223, AA310117, AA077302, AW166611, AW131457, AL038936, F31465, AA133650, AI357823, AA448858, AA658846, AW408161, AI926366, AA482896, AL048544, AA133651, AW380074, AL079466, H21449, AI752978, H42075, AA482768, AI139971, C05928, AI860423, AL119295, AI701959, AW167372,

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HCUBT02	499	920682	1 - 306	15 - 320	
HCUBT94	500	574239	1 - 528	15 - 542	AI189587, AA705559, H47182, H47091, and AF147424.
HCUBV04	501	615347	1 - 372	15 - 386	AW026750, AA579906, and AL035090.
HCUBX57	502	506518	1 - 346	15 - 360	AW084004, AA364082, AA351808, AW089950, AA533660, AC005920, AF196969, AC005031, AC000025, Z83844, AC008101, AF047825, U80017, AC005520, AC004805, AC004851, AC006276, AL022238, AL050140, AC005695, AC005971, AL049869, AC006511, AC005214, Z75891, Z82180, AC005231, AL049780, AB029020, AF196779, AL139054, AC004263, AC005696, AC002319, AC007421, AC004796, AF053356, U95742, AF117829, AC005088, AC002477, AL050350, AC005015, AC005702, Z95114, AL117337, AC005409, AC004084, AC007216, AF001548, AC006443, AC004797, I34294, AL133448, AC004910, AL035461, AL034423, AL121825, AC002350, AL133245, Z94160, AC005519, AP000514, AC002301, AC002316, AC006139, AC005011, AC002430, AC003950, and AC004381.
HCUBZ57	503	529702	1 - 329	15 - 343	
HCUBZ86	504	694720	1 - 247	15 - 261	
HCUBZ88	505	574096	1 - 297	15 - 311	AI341867, and AA608765.
HCUBZ96	506	506585	1 - 293	15 - 307	

HCUCB20	507	574189	1 - 415	15 - 429	AL031295, AC002316, and AC005696.
HCUCB20	508	573901	1 - 347	15 - 361	AA988600, AA515224, AI282479, FI3749, AI870444, AA747472, AW167909, AW438643, W21218, AW090629, AI962050, AW023975, AL135643, AA659083, AW419262, AI751162, AW162288, AI917271, AI307201, AI431303, AI688846, AI284640, AI471481, AA657741, AW029038, AI696793, AI345654, F36273, AW166815, AW193265, AA527954, AI350211, AL041854, AI904894, AL138421, AW193432, AI918421, AI653886, AC004821, S77605, AC006312, AL008715, AF165926, AC006960, AC005412, AL008635, AC004491, AC002449, AC009225, AL031670, AC008009, AC004985, AC005874, AF134471, AC004382, AC004675, AF088219, AC004797, AC005220, AL109801, AC003681, AF205588, AC020663, AC006111, AL035587, AC006992, AC007676, AL034376, AC005696, AC005695, AL035086, AF003626, AL022313, AL121655, AP000347, AL035460, AC009248, AC003110, AL035413, Z82097, AL031584, AC004972, U62292, AP000346, U82671, AL096791, AJ251973, AC005034, AC004685, AC007878, AC007292, AC004690, AC005821, Z93930, AC004834, AP000240, AC004263, U52112, AF196971, AC005594, AL022322, AC006543, AC005776, U63721, AC006241, AL136295, Z97054, AC004098, Z82244, AC004991, AC004084, AF190465, AC000353, AC004103, AE000662, AP000553, Z83844, AC004837, Z84477, AC003047, AC007277, AC006101, AC006571, M94081, AL008729, AL033527, AC006544, AF045555, AC002369, AC005255, AC002301, AP000289, AL080276, AL096677, AL021391, AP000501, AC005041, AC005482, AC006552, AP000042, AP000504, AP000110, AC006511, AC007666, AC008984, AF155238, AC005037, Z97056, AR036572, U91328, AC002316, Z94160, AL121603, AL117351, AL079295, AL078471, AC004655, AC005048, AC005632, AC007536, AL049761, Z99570, AL008583, AL022237, AC007731, AF129756, AP000339, AP000518, AC005500, S42659, AC006480, AC007151, Z95113, AC002543, AC002470, AB026899, AP000217, AC006251, AC005702, Z70288, AC005514, AL132987, AC004678, AL022334, U02054, AC005664, AC002289, AC004841, AC005619, AC004126, AC008064, AC007993, AF037338, AC006538, Z97183, Z85986, AL035403, AC002326, AC005553, AL022476, AC005377, AL031587, Z99129, Z82245, AC007387, AC007051, AC007546, AC004500, AL109758, AL031681, AC005071, Z68273, U95742, AC007308, AP000355, Z81370, AC005015, AL009031, AC006547, L78833, AC004859, AL022323, AC007919, AC005003, M87923, AC005094, AL132712, AL031281, AC004883, Z69890, AL096701, AL049830, AC007216, AC003065, AC003007, Z84469, U89337, AC003688, AL034417, AC006057, U73634, AC004933, AL049869, AC004216, AC007055, AL031005, AC000075, AC005033, AL109613, U73168, AC005330, AL009181, AP000269, S70707, Z84466, AC002365, AL031735, AC004000, AC004760, AC004447, AP000500, AL020997, AL109963, AC006276, AC006064, AL034384, AL049540, and AF134726.
HCUCB20	509	577129	1 - 291	15 - 305	AL022318.
HCUCB20	510	796530	1 - 229	15 - 243	AW005018.

HCUCD26	511	574098	1 - 226	15 - 240	AB020868.
HCUCD82	512	780047	1 - 329	15 - 343	R22017, AC004787, and AF165926.
HCUCG21	513	671210	1 - 463	15 - 477	
HCUCI43	514	715488	1 - 203	15 - 217	D60319, D60589, D60408, D61144, D60853, AF119569, AF091501, and AF087651.
HCUCI90	515	967501	1 - 65	15 - 79	AC007032.
HCUCT08	516	959910	1 - 531	15 - 545	
HCUCT48	517	720905	1 - 245	15 - 259	
HCUCV13	518	574121	1 - 310	15 - 324	
HCUCV20	519	694398	1 - 250	15 - 264	
HCUDA38	520	862089	1 - 344	15 - 358	
HCUDB13	521	578712	1 - 323	15 - 337	AA936845, N73060, N73203, R14903, AA988600, AA595504, M78131, AA774006, W68328, H15294, AI049504, AA364863, AW131417, AA077619, AA477517, H53101, AA665304, AA457230, N57709, AL037006, R38509, H58786, AI791561, AA173334, AA525407, H10454, R48980, AA636102, AI479068, AA225548, AA321595, N22153, AW192518, R82835, AW073498, H09639, AI929410, AI753672, AW019964, AI750950, AA693806, AA629412, AA479337, AI273675, AA296958, C14599, AI268564, AA706094, AA831801, C14880, AI138918, AA741020, AI367222, AA832016, AI371804, AI860535, AW276933, H63220, AW103407, R83708, AC009399, AP000128, AP000206, AP000245, AC005529, AL008715, AL034420, AC000025, AC005527, AC009247, AC004531, AC002407, AP000688, AC011331, AC002990, AC004466, AL008718, AC004540, AL031803, AC002381, AC006077, AC005351, AC005901, AC005822, Y11107, AC000086, AL133275, AC004910, AC006042, AC007919, AC006417, AF006487, AC004383, Z99716, AF111168, AL035587, AC005972, AL031577, AC006275, AC002301, AC002351, Z97054, AC007055, AC007537, AC002120, AC005291, AL031428, AF027974, AC000353, AL034419, Z95331, U72845, AC004955, AL031255, AC005088, AC004587, AC002563, AL133448, Z85986, AC005209, AL109963, AC007263, AC005480, AC007540, AP000116, AC005231, AC006388, AC000066, AC004000, AC005049, AC004851, AL035415, AC002073, AF134726, AC009509, AC005585, AL021154, AL118516, AC007227, AC007201, AC005071, AL096775, AC005740, AC005921, AP000555, AC004983, AL121915, AL049766, AC004139, AL049830, AC007226, AC004908, Z98752, AC007536, AC007559, AC004036, AC005037, AC005578, AF092925, AC006059, AC005486, Z98941, AC007028, AJ010770, AC005064, AL078581, AC008249, AC007214, AC002072, Z82178, AC005796, AL109952, AL009181, AC005971, AC010168, AL033527, AC004054, AL049699, AD000812, U91324, AP000252, AL024498, AC003962, AF141308, AC006449, AL034418, AC008044, AL021578, AC005722, Z84474, AC005521, AC005479, AL033524, U91318, AL031685, AC004694, AC007899, AC004125, AC005399, AL121825, Z74739, AC006344, AC005005, AL035422, AL133249, AL023581, AC006071, AC004019, AC005821, AC000026, AC006538, AL050318, AC006365, AC004817, U95740, AP000212, AP000134, AL109984,

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HCUDC45	522	576566	1 - 379	15 - 393		AC007324, AC008079, AC008101, and AC016830.
HCUDC79	523	576577	1 - 154	15 - 168		
HCUDD19	524	959706	1 - 1796	15 - 1810		AI184562, AW248599, AW051528, AA447350, AI740715, AW316672, AW316654, AI952004, AA977191, AW363318, AA703205, AA149973, AA135413, AI799559, AA459866, AI023370, AW264927, AW264916, N93625, AW297503, AI192819, W68805, AA402761, N53321, AI207204, AI809102, AA804623, AW057780, W68607, H80704, AA398493, H80394, H14357, AI581914, H51962, AI873736, AA300679, AI689515, T33180, H80494, AA555067, AA764994, H68164, H68165, AI807729, AI693622, AI273514, AI932996, AI932990, H80705, N48174, R92093, AI342079, AA903178, AL037469, D61862, H81412, AA460510, W25416, R92092, T24613, AA280237, AI493508, N74148, AA281536, AI525850, C20784, AW438613, AA923003, AI094325, and AB002330.
HCUDD43	525	850103	1 - 263	15 - 277		AI349874, T39598, AA581903, AA630352, AI890928, AW023511, AI890570, AI859251, AA484148, AA702023, AA309460, AI334435, AW074398, AI561335, AI110770, AA226364, AW193546, AA342901, AL120502, AI266576, AI536555, AA715270, AI679706, AI612152, AI679132, AI287651, AL079683, AI446464, T63104, AI252114, AA177061, AW270270, AI792903, AA916039, AW162489, AI734002, AI58343, AI148277, AI279165, AW074207, AW338086, AI061227, AA523688, AL120687, AA587256, H60143, AI064864, AI252085, AA451612, AL138265, AW303876, AA348311, N66776, W47480, N64437, R44592, AI792864, AI733957, AL119984, AI053672, AI471481, AA744110, AA441788, AI334443, AL040130, AA594215, AA53465, AA491814, AA481363, AA652057, AA481375, AA649642, AI742771, AA386111, AI246796, AI674873, AI287451, AI274431, AA501722, AI610159, AI048925, AA341892, F19156, F36273, AI830390, AL041382, AI284640, AA483034, AI613261, AA125788, AW327360, AL040547, AI493634, AW172727, AW265009, AL137954, AA515938, AA578141, F03097, H92005, W45336, F35113, AI110760, AL119691, AA559290, AL049831, AL049697, AB020871, AP000193, AL109981, AL023281, AC005565, AP000117, AC004983, AC004021, AC006126, AL031293, AC005274, AL023575, AC004019, AP000049, AC004475, AC005089, AP000311, AC004067, AC007065, AL080243, AC005158, AC005837, Z83826, AC007666, AL096701, AC005412, AL096829, AC006277, AC005086, AB020870, AC002564, AB020859, AC004941, AC004616, AL049869, AL049757, AC002287, AC005483, AP000334, AC002522, AC000095, AP000173, AC002429, Z81369, AC000052, AL031430, AC005104, AL035684, AC005184, AF072711, AL079295, L14752, AF111169, AP000023, Z98885, AC005037, AL035249, Z68871, AL078472, AP000018, AP000160, AC004924, AC005159, AC009227, AC006482, AC005231, AC004813, AF047825, AL023807, AC006387, AC007934, AC005793,

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HCUD57	526	734883	1 - 373	15 - 387	R91783, AW449624, AI792255, AA632429, AA632442, and AA573692.
HCUDE23	527	953868	1 - 356	15 - 370	R62551, and AI174377.
HCUDE38	528	850076	1 - 324	15 - 338	AA551398, AI690497, AL031577, AC005971, AF109907, AC007546, AC007386, AC006077, AC007773, AL031666, AL049843, AP000208, AP000130, U91321, AF196779, AC002300, AC007880, and AL034417.
HCUDE47	529	861150	1 - 789	15 - 803	AW139719, AI911432, AI288208, H39195, R42796, AI093947, H40911, H23589, H46892, R42704, H40952, H46310, H52787, H52820, H41504, AW075323, and AW071240.
HCUDF26	530	676949	1 - 436	15 - 450	
HCUDF33	531	577224	1 - 295	15 - 309	R02571, AI032037, AA679303, AA642557, AA345400, AA551532, N53352, N58999, AA985662, F18098, AA007330, AA767276, AA703457, AL046094, N64205, AI479093, AL009174, AC006238, AC004662, AC006530, AC004491, AC005781, AC005740, AL049780, AC006597, AL049911, AC005856, AL109628, Y14768, AC004408, AP000505, AL030996, AC004003, AC005874, AF134471, AC002351, AC002375, AC004933, AF117829, AC004648, AL135959, AC000105, AL078611, AC005102, AC004232, AF129756, AL117344, AL031577, AC002302, AF001549, AC002301, Z99774, AL031733, Z15025, Z98036, AC005105, AL049759, AC006961, AC005899, AC005663, AC004821, U91322, Z79997, AP000338, AC004125, AP000216, AJ003147, AC003103, AC004000, AL008718, AC005500, AC007225, AC002314, Z97200, AF126403, AC008372, AC004990, AL078460, AL109758, AL035088, AC007276, AL022330, AC002378, AC007227, and AL035089.

HCUDF90	532	958449	1 - 459	15 - 473	AA747777, H71827, AA378822, AA378821, AA573020, AA810269, AA503154, AA451612, AA095511, AA837058, AA644538, AA533725, AA985455, H81785, T29180, T52733, AA593247, F00290, T53607, F31204, AA493708, R31948, T69435, AA176717, N22424, AA861959, AA804962, AA112778, AA780797, AW050498, AI446464, AA564264, AW406755, AA148489, AI365988, AA192695, AI954260, AI358229, AA535661, AA143516, AA598494, AA578349, AA357937, AW088984, AW339687, AA503473, AA908349, AI635272, AA401022, T51102, AI499938, T72601, AI305766, AI920877, AI624698, AA059154, AL133723, AI278997, AI744188, T55213, AA640034, F37286, AA657918, AI827234, AA494163, AA365694, AA805230, AA218645, AA911519, AA169194, HI2334, R77608, AA669840, AA371533, C19058, W38648, T06647, R81240, R64515, AA515128, AI064864, AW338086, H71429, R45369, AA098922, H53522, AA533450, F34795, AA121333, AA364429, AA176114, N54934, AC004605, AC004964, AC012599, AC003684, AC005696, AC007845, AC016025, AC005069, AF117829, AC005736, AB003151, AP000688, AC006277, AL078477, AP000689, AC004858, AF109907, AF069291, AR000118, AJ229042, AC016027, AC007751, AC016830, AC020663, AL031577, AL135744, AJ239322, Z86061, AC016026, AC004854, U96629, AC004675, AP000556, AP000557, AP000552, AJ246003, AL031668, AF038458, AL133245, AC005740, AC006374, AL009174, AF131217, AF001549, AF088219, AC004216, AC005839, AL008582, AL023575, AL121658, AC002349, AL031905, AL132718, AF010317, AP000114, AP000046, AC005409, AC004019, AP000473, AF124523, Z68322, U95743, AL022726, AL121603, AC005031, U95742, AC018633, AC002133, AL020997, AC008372, AC005730, AC004765, AL035587, AI238481, AC007510, AC005412, AB020858, AC005191, AC005775, AC007324, AC006597, X69953, AC006001, AB023049, AC005373, AL117330, U80017, AC005399, AC004596, AC006251, AL034420, AP000432, AC007773, AL022394, AC006273, AC005242, AC003030, AP000356, AC005666, AC002316, U82696, AC000353, AC006958, AF165176, AF064863, AL034379, AC006130, AP000705, AC000379, AL023879, AC000052, AC001164, AC006285, U91326, AC005772, AC004184, AC006525, AB020867, AF064861, D15054, AC007050, AC005728, AC005280, AF139813, U73634, AC006465, AC006312, AL022323, AC004139, AL035089, AC004770, AC004186, AL109799, AC004228, AC002070, AC002312, AC007314, AL031770, AC003681, AC004859, AC002051, AC002310, AL080243, AL031283, AC004894, AC005231, AC007666, AL031255, AJ011930, AL022320, AC007686, AC008018, AR036572, U91328, AL031281, D14034, AC005837, AC008033, AC006948, AL021808, AC002544, AL049760, AL032821, Z84466, AC005841, AL109654, AL049757, AC004492, AC006441, AC005067, U07562, AC006208, AC009516, U63312, AL049776, AL049832, AL133448, AF002993, D87675, U47924, Z83840, Z98950, AP000502, AC005379, AL035668, AC006430, AJ003147, AL022328, AC004975, AC006121, Z84477, AC002369, AC004531, AC007099, Z83820, AL031670, AL035460, Z83844, AC004470, AC005082, AC005261, AC004671, Z85986, AC005913, AC007227, AL033527, AL078603, AC002066, AC005906, AL035400, AP000352, AC003682,
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HCUDH64	533	717894	1 - 392	15 - 406	AB022698, AJ007628, and AB022699.
HCUDH84	534	713524	1 - 367	15 - 381	
HCUDJ91	535	861025	1 - 303	15 - 317	
HCUDL94	536	915821	1 - 353	15 - 367	
HCUDM23	537	462283	1 - 376	15 - 390	AI623889, AI934811, AI934751, AA687180, and AF053356. AI003172, W60516, AI051551, AA557325, AA299087, AI149915, T79003, AL041368, AI857261, AA365347, H51054, AA313078, AI499094, AA350859, H64560, AI205126, AA443390, AW276827, AW088616, AI879000, AI350211, AI032878, AW069807, AI719080, AL041412, AA364567, AI469878, AA327572, AW265214, AW193432, AA329192, AA551509, AA381666, AI653515, AI915075, AW277102, AI679639, AI341664, AI193007, AL046696, AI061334, AI204076, AW339568, AI471481, AI359285, AW078495, W04302, AI653434, AL046409, AA365587, AI289067, AA584749, AA340960, AA580662, AW303876, W25284, AI305766, AI686431, AI124660, AI761471, AI421213, AW023672, AI762575, AI678392, R23777, AI914706, H13868, AA847216, AI719644, AA377730, AW074398, AI284640, AI538399, AW193265, AA659083, F31204, AA344959, AA229785, AW264973, AI110770, AI610159, AA593060, AI282907, AA641989, AA507990, AW057699, AI536625, AI284467, AI688846, F28576, AI806850, AA973575, AI569086, AA515128, AI634384, AA071182, AI038279, AW337985, AW419262, AI815000, AI079910, AA679810, F36273, AW261871, AI889781, AI431303, AW130799, AI653886, AI445436, AI890052, AA457639, AI742771, AI814735, AI963786, AI613280, AI963720, AL079645, AI474713, AW338869, AI923140, AI133235, AL138421, AL042856, T10218, AI547286, W28786, AF150222, H64777, T34066, AL047643, AA460367, AW157326, AI128576, AA515435, AA339432, AA359958, AI049634, AW175641, F19258, AI124779, T80500, AA579140, AC004495, AC007151, AI109799, AC004041, AL008634, AC005225, AC006396, AL031770, AC005701, AC005589, AL078580, AL080278, AC004655, AC000075, AC005164, AC005664, AC000097, AC006547, Z94721, Z94056, AP000459, AC008080, AL132642, AC008039, AL031287, AC003086, AC009288, Z95113, AC004100, AC004861, AC007252, AL078584, AC005193, AC007536, AC004985, AC006559, AL050305, AL050097, AL022327, AL035252, AC007501, AJ003147, AC006143, AC002364, L81648, AC004220, AL031012, AP001038, AL021937, L13713, AF015171, AL049565, AL049871, AC005881, L13714, U85195, AC004900, AL049589, AL137191, AC005486, AC007032, AC006323, L76568, U34879, Z93023, AC004875, AC004953, AC006050, AC007263, AE000658, U63312, AC005217, AC004097, Z93241, AL033521, AL034350, AI035461, AC007040, Z82900, AP000468, AL109802, AJ011932, AC013248, AC004756, AL096774, AC002538, AL034373, AL078615, Z82210, AC005375, AC007159, AC006556, AP000556, AC007312, AP000552, Z65382, AP001170, AF038667, AC000381, AF003627, AC005876,

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HCUDM66	538	506522	1 - 367	15 - 381	
HCUDN09	539	850101	1 - 456	15 - 470	AI090115, AI168683, H99504, AI147670, AA232645, N73285, AA374707, AA380875, AW139567, AA886361, AI735132, and AI679526.
HCUDN14	540	862119	1 - 400	15 - 414	AL021368.
HCUDP19	541	578721	1 - 345	15 - 359	
HCUDP23	542	783051	1 - 444	15 - 458	AC005755, AC005372, AL049780, and AC005081.
HCUDP27	543	725155	1 - 427	15 - 441	AA278441, AI263438, AI870837, AI886871, AW450567, M78087, AA887815, AI700532, W94450, R96854, and R98160.
HCUDP82	544	578720	1 - 337	15 - 351	AI538514.
HCUDQ61	545	839959	1 - 318	15 - 332	AI970020.
HCUDS61	546	578705	1 - 390	15 - 404	U77321, U90095, AC002403, and AI006345.
HCUDT62	547	747131	1 - 320	15 - 334	AW057640, AA410949, and AI394291.
HCUDT65	548	915742	1 - 1845	15 - 1859	AF039235, AI669256, AW245958, AI763048, AW245514, AW237088, AI093187, AI571378, AW296090, AI354976, AI680102, AW119180, AI140327, AA934553, AI201269, AA559846, AI991982, AA625161, AI203368, AA040597, AW268813, AW152391, AI243335, AI185996, AA315994, D80898, AI887841, AI902903, AA497000, AI312767, AA373939, AA358918, AA634307, U25751, AI916936, AI700879, AA918570, AA362530, AI671153, AI927665, AI738973, AW087508, AI824923, AI810550, AA359868, AW196382, AI867799, AA738423, D80899, AA954586, C01220, AA489585, F31194, AA361102, AI698559, D20015, W81431, AA928147, AI432152, T27188, AA040679, T19862, and T27189.

HCUDW37	549	859268	1 - 895	15 - 909			
HCUDW74	550	576240	1 - 246	15 - 260		Z84480, and AC005011.	
HCUDX05	551	951165	1 - 37	15 - 51			
HCUDX14	552	571370	1 - 307	15 - 321		AC002477.	
HCUDZ25	553	678365	1 - 295	15 - 309			
HCUEA58	554	579029	1 - 303	15 - 317		AL031729.	
HCUEA63	555	745183	1 - 354	15 - 368		<p>AI826761, AI355007, AI085719, AW338042, AI149478, AA650365, AI733856, AI742168, AA455483, AA297666, AA226153, AA481887, AI310343, AA410788, AI216151, AW316969, AA744018, AI061313, AW156980, AW270771, AI829331, AL045077, AA555229, AA651632, AI053978, AL037910, AI620415, AA679625, AA228778, AA021429, AA737309, AA503468, AI244127, AC003037, AL049776, AC005399, AL022316, AC007388, AC005015, AC005529, AC005274, AC004067, AC004967, AL132777, U63721, L78833, AC007308, AL050318, AL021154, AL022323, Z82206, AL031767, AL031589, AC005280, AP000210, AP000132, AC005231, AC006312, AC016027, AC016830, Z93017, AC005081, AL049869, AF111168, AC000159, AC005409, AC005913, AC007011, AC004755, AC004156, AC002310, AC005291, U62292, AL109628, AC008498, AL035417, AF196779, AC005340, AC009247, AL021808, AC005953, AC005043, AP000557, AC003043, AL133448, AL049692, AC003101, AD001502, AC004491, AL022318, AC005074, AL049539, AL096703, AC005971, Z98742, AP000098, AC006211, Z97056, AL021707, AC002302, AC007227, AC003007, AC005519, AC005722, AP000114, AC005821, AC004686, AC020663, AL117352, AP000502, AL109952, AC005800, AC004890, AC005881, AC007536, AC005632, AC005209, AL078477, Z93244, AL020995, U91323, AC005330, AL035420, AC003665, AC004000, U91326, AC004983, AC005412, AC004383, AC002544, AC005940, AL022476, AF134726, AC002375, AC009509, AL121652, AL096791, AL031846, AL035400, AP000556, AC004876, AC009516, AC005200, U52112, AP000514, AL049843, AL035587, AL121748, AC010170, AC004805, Z99128, AC004738, Z84469, AP000356, AC002316, AC009044, AC006023, AC007637, AC004526, AC007371, AC005943, Z83840, AF001549, Z85987, AC005921, AC004910, AC005484, Z85986, AC007999, AL008719, AP000553, AC006077, Z95152, AC004832, AC003663, AC002470, AC005089, AC002404, AC006121, AC007114, AC005261, AC004913, AC007664, AC005158, AL035422, AC002425, Z93023, AC004841, AL031657, AP000510, Z83844, AL034548, AF124523, AL133245, AL022165, AL049830, AC010205, AC000029, AC006509, AC002045, AL035419, AL031774, AC004785, AC002996, U52111, AC005740, AC009288, AC008018, AL049832, AL031295, AC004638, AL133163, AC005962, AC006449, Z84480, AC002070, AC004084, AC005069, AC004874, AC004771, U85195, U78027, AL096755, AL049829, AC005837, AC005300, Z99716, AC005520, AL133246, AC005049, AL020993, Z82244, AC006581, AL133244, AE000658, Z83820, AC004815, AC004099, AL109984, AC002550, AC006511, AC006271, AC003982, Z97876, AC005523, AC004583, AC006265, AC005088,</p>	

HCUEA72	556	713040	1 - 311	15 - 325	<p>AC004896, AC005220, AC006960, AP000248, Z84466, AC004895, AC000353, AC005544, and AL031291.</p> <p>AW084919, H67179, T58440, AL108182, AI141130, AA586433, H52397, AI865087, R56848, AI566425, AW270183, AA721523, AA721530, AI962094, H61871, AA610433, AA292003, T89901, AA746911, AA374797, AW419389, H61942, AI697242, AW407340, W02189, AA069631, AA568314, AA809635, AA224917, AI697239, R69937, AI266359, AI749335, H71678, AI066711, AA666046, AI686470, H73306, T97896, H07953, AI583468, AI538214, AA071151, AL079666, AI697235, AA214042, AW074613, AA084076, AA468486, N70449, H13612, H01327, AA329565, AA032001, AA715955, AA525253, AA706495, T55992, AA601216, AA054085, AW152178, T81513, AL133749, H81267, AI858889, AI251576, W37651, AA747234, AA572784, AA513884, AI306232, AI583466, N52410, AA613754, AA249239, AC004859, AC005335, AC005332, AL096701, AL022069, AC006064, AL096773, AC004686, AC005291, AF001550, AC005005, AL121603, AC007773, AC004999, AC007637, AL109758, AC002544, AL021391, AC016027, AL133500, AC016830, AC006241, AC005102, AL031284, AC000052, AC005971, AC004216, AL049709, AC004000, AC005747, AC005375, AC008372, AC002477, AB023048, AC003664, AC004448, AL117338, U91323, AL020997, AL133163, L78810, AC008012, AC006130, Z86090, AC005280, AL035398, AL049653, AF196969, AC004253, AC005736, AC005919, AF019413, AL024508, AC006441, AL008720, AC002059, AC009399, AL023807, Z84487, AC005015, AF111168, AC006509, AC006121, Z95152, AC004801, AC004134, AL034420, Z83843, AC009247, AC001228, AL049775, AF190465, AC004832, AC007298, AF001548, AC004810, AC002312, AC007325, AC004791, AC004106, AL035683, AL021707, AL031683, AC004672, M63796, AC002476, AC004938, AC007312, AL050307, AL031659, AL022238, AL050341, AJ238093, AL022322, AP000511, AF196972, AC005057, AC009464, AF217403, AC003687, AC000394, AL031657, AC004812, AP000032, AC006023, AC004019, AC005808, AL049636, AC002351, U07563, AL008707, AL079304, AC005288, AL031311, AL121658, AL031005, AL034429, AC003108, AP000089, AP000142, AL022316, AC007364, AC006539, AC004887, Z83826, AC002094, AC005049, AC006360, AL035400, AC002126, AC004526, AC004033, AL049766, AC005037, AC006362, AC004491, AD001527, Z99128, D87675, Z98304, AC006285, AC002996, Z84469, AF048729, AC003101, AL109627, AL049911, AL008719, AC006947, AC007308, Z93244, AC003025, AC006455, AC000134, AC004878, U62317, AC005180, AC004985, AF001549, AC006552, Z83844, AC006480, AF111169, AC008273, AF207550, Z83856, AL050318, AC007263, AC006312, AL079342, AP000961, AC000120, AC005800, AC005089, AC007878, AC005229, AC004996, AC004223, AC003663, AC007201, AC006344, AL031228, AL133245, AF139813, AF205588, AC004821, Z97053, AC002470, AF047825, AC004655, U91326, U80460, AC005520, Z98752, AF111170, AC003982, AF030453, AC004510, Z96258, AC004222, AC005839, AP000502, AC005632, AF196779, AC003690, AC004386, AP000104, U95090, AC002306, AL096767,</p>
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HCUEB62	557	579058	1 - 364	15 - 378		
HCUEC06	558	935769	1 - 94	15 - 108		
HCUEC78	559	850066	1 - 319	15 - 333		H81012, H86221, AA018923, R64467, M87891, U14684, AL034429, AC004938, AC007376, AC004188, AC006480, U14701, AL022316, AC002477, AC005527, AC002416, Y14768, AC005620, AC005197, AC005907, AC000052, AL020993, AC002375, AC007055, AC006538, AP000505, AP000516, AC007707, U91629, AC004797, AC006263, AC005488, AC005914, Z82201, AC005529, AC005911, AC005410, AC007666, AC004019, AF111168, AF129756, AC005399, AC006449, AL139054, AL035587, AC005632, AP000512, AC005746, AC002310, Z74739, AC006511, AL023803, AC005667, AF001975, AC005753, AC004678, AL022237, AC002303, AL034420, AL021578, AL133448, AP001065, AL031311, AF053356, AC003043, AP000065, AC005971, AP000354, AF045555, AC004859, AC002551, AL118497, AC005003, AF134726, AC000405, AF165926, AL035086, AC005841, AL133163, AL050321, AL035405, U12387, AC007686, AC008015, AC005722, Z95114, AB014087, AL049766, AL020997, AL031447, AF001549, AL096677, AC006211, AC005777, AC005288, AL050308, AP000555, AC005409, AC005088, AC002104, AC004491, Z97055, AC007011, AC006077, AC002470, AF111169, M87898, AC004686, AC000025, AL031985, AL034423, AC006441, AL121603, AC002492, AC004190, AC005037, Z98941, AC003663, AC004671, AP000503, AC004659, AC005682, AL008718, AF037338, AL031662, AC005619, Z81365, AL022326, L78833, AC006064, AC005954, Z97876, AC006130, and AC005486.
HCUED04	560	615410	1 - 324	15 - 338		Z94044, AC005480, AC006388, and AL022316.
HCUED66	561	576573	1 - 449	15 - 463		
HCUEE04	562	653118	1 - 290	15 - 304		AA305339, AL121572, and AL022341.
HCUEE29	563	578709	1 - 240	15 - 254		AW297855, AA932284, AI911033, AI540093, AW105017, AA829228, AA814442, and AA768919.
HCUEE41	564	578715	1 - 235	15 - 249		AP000096, and AP000240.
HCUEE63	565	745184	1 - 100	15 - 114		F37223, AW419118, F31799, AI446638, F23274, H64560, AI791610, AI867044, AW023672, AA381762, AA299115, AA548087, AI223616, AI287485, AW078552, AI053465, AI918421, AA399158, C06471, AI679713, H04867, AW130254, AA086236, AA469451, AW341903, AI439269, AI151261, N25303, AW129694, AI635274, AI679139, AI338426, AW302013, AI240891, AW152111, AI285696, M77950, AA913549, AW057776, AL044858, AA584489, AL138421, AI565873, R94974, AA609841, T47280, N58729, AA229444, AL039187, AA913114, AA302732, AI939465, AA527606, AA527716, AW130535, N20066, AW085801, AI110688,

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HCUEE83	567	578703	1 - 406	15 - 420	AC006948. AI801482, AA847499, AA493621, AI281697, AA649642, AI783494, AA502711, AI358501, AI613280, AI192631, AI138421, AA368936, AA846935, AW407578, AA713891, AW276435, AI282511, AI338350, AA491862, AI281881, AA573543, AW338086, AA467820, AW021583, AI036037, M86143, AA744018, AI537955, AI903462, AA526758, AW028403, AW406447, AW408047, AA469451, AI919265, AI824562, AA526536, AA658362, AI635458, AI281903, AA491650, AI633390, AW264934, AI457397, AI921296, AA507824, AI473475, AA468244, AA468505, AI610607, AI469172, AI570212, W38404, AW129694, AA133333, AI110770, AI093122, AI745325, AI133164, AA405493, AA526779, AA629874, AA523838, AI832016, AA743716, AA577959, AA516020, AI676218, AW130535, AW148792, AA492081, AA578481, AW084252, AI379719, AW044351, AW085740, AA134959, AI287528, AA484373, AI031281, AC006160, AC005324, X54180, X55931, AC004813, AC006241, L47234, Z82097, AC003007, AI022313, AP000031, AI035587, AC002996, AC005730, AC004605, AC005763, AC000070, AI021937, AC005632, AI021939, AF123462, AI009179, AC010200, AI022329, AC006130, U07562, X54175, AC004755, AC005212, AC003965, AC006026, AI109984, AC004019, AF196970, AC004492, AC004858, AI031432, AP000349, AC004671, AC007845, AI133448, AC003108, AC004596, AF196779, Z92845, AP000514, AC007193, AI031428, AC006275, AD000092, AP000359, AC005696, AC005527, M87919, AC004686, AF109907, AC005175, AP000135, AC006139, AC005183, AC008079, Z81313, AC002045, AC005901, AC005088, AC006058, AC005837, AP000117, AC002368, U47924, AC000052, AF165175, AC007666, AP000326, AC006040, AC006487, Z97630, AI031255, AI035411, AI121748, AC004984, Z69890, AC004152, AC006449, AC005102, AC008044, AF010238, AC002119, AP000503, AF039401, AC005529, Z83844, AP000054, AP000169, AP000122, Z84476, AC002385, AI034418, AC005531, AC007617, AI079295, AC003029, AC005988, Z93244, AC006001, AC004263, Z98051, AC002470, AI121778, Z98044, AC006205, AC004881, AC004156, AF165141, AC007919, AF088219, AF001549, AC002984, AC006251, AC003070, AC003665, AC002476, AC007324, AI049759, AC007766, AC003098, AC005410, AI049795, AP000244, AC002395, AC004827, AC005089, AC007055, AC004815, AB023049, AF111167, AI008635, AC004765, AC005839, AC007066, AC005237, AC004186, AI035086, AI035415, AF134726, AC006327, AC006285, AC003966, AC006960, AI079340, AC004913, U78027, AC005913, AC008101, AC005011, AI121769, AI049709, AC004228, AC005914, AI008583, AC004998, Z69838, AI031295, AC006512, AC006312, AC002301, AI080243, AC012627, AB020871, AP000493, AC005231, Z97056, AI121934, AC010170, AI078474, AI023580, AI022577, AC005057, AP000123, AP000213, AC002365, AC008055, AP000194, AI035422, AC005296, AC005412, AC004972, AF039907, AF038667, AI031602, AC006367, AI031283, AC005409, AI034421, AP000512, AF165142, Z84480, AC002316, AF053356, AC005756, AC000379, AC005778, AC005071, AC007262, Z98742, M84472, AC005332, Z84484, AC009044, AC007967,
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HCUEF90	568	578714	1 - 199	15 - 213		AC005913.
HCUEG58	569	784414	1 - 113	15 - 127		AF024533, AF030453, and AC005088.
HCUEG90	570	578745	1 - 141	15 - 155		
HCUEJ55	571	959552	1 - 110	15 - 124		
HCUEJ69	572	757657	1 - 526	15 - 540		
HCUEK37	573	964869	1 - 331	15 - 345		AA782338.
HCUEL28	574	706456	1 - 289	15 - 303		AI097211, AI446336, R92902, AI539685, AA775205, AI438967, AC007021, AC007564, U95739, AL049576, AC006077, AC006312, Z85987, AC005821, AC003663, AC006323, U95743, AC003026, AC011331, AF001549, AF029308, AC003037, AL136453, AC006965, AC005011, AC005764, AL023807, AL096774, AC005740, and AC005886.
HCUEL91	575	576568	1 - 119	15 - 133		AC006531.
HCUEM23	576	576379	1 - 373	15 - 387		
HCUEM35	577	861545	1 - 307	15 - 321		
HCUEM62	578	576575	1 - 248	15 - 262		
HCUEJ34	579	706452	1 - 333	15 - 347		
HCUEJ58	580	738225	1 - 453	15 - 467		
HCUEO17	581	932118	1 - 252	15 - 266		
HCUEO30	582	769203	1 - 274	15 - 288		AL039309, A985145, AA558404, N52501, AI884861, AA657910, T55707, AA904211, H48017, AI431513, AI049504, AW341882, AA486819, H86579, AA774006, AA662431, AI800343, AA584756, T02817, H47295, AW089016, AA527109, AA502813, AA018923, AA012829, AI583291, AI816136, AW081503, AI471455, AW407388, AA053463, AW117723, AI826857, AW392414, AI251576, AI687343, AI306232, AW274191, W63553, AI583466, AI201668, T59930, R48980, AI306717, AI811647, AA429481, N22395, AA368329, AA599749, AA577855, AI031759, AA827383, T74524, AA214109, AA768179, AI628859, AW019964, AA434078, W92433, AI801824, AA339789, H86133, AA347867, AW301855, AA767257, AA548692, AW148886, AI697383, AI065031, AW029626, AI888050, AW117704, AI417586, AI300818, AI041924, AI310992, AA745628, AI267356, AA278496, AA287502, AI267459, AI369925, AA535756, AI434365, AA573000, AA374797, R02063, AW009653, AI831172, AA993165, NS9744, H53284, AI279417, H73306, AI002863, AI869797, H54252, AL041352, AI049680, AA302978, H47296, AA916794, R84528, AA947265, AA078509, AW190277, AA486820, AI340151, AA364073, AA374525, R39627, AI872461, AA230146, AA773171, AW162303, AW084173, AA878407, AI459866, AW162047, AA295899, AI277318, AI860535, AW161786, AW117915, T51436, AI873627, AC002128, AC006356, AC004685, AL050338, AC004554, AC005518, AC006512, AC006023, AC008101, AC008079, AC007567, AC005722, AL031985,

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HCUEO31	583	576551	1 - 229	15 - 243	
HCUEO41	584	576524	1 - 447	15 - 461	AW248352, AW249168, and AA628425.
HCUEO62	585	578713	1 - 387	15 - 401	
HCUEO79	586	850090	1 - 330	15 - 344	AA129273, AA129373, A1761842, F20339, AW291115, AA485396, AA835966, AW079768, A1287824, AW243878, F32537, AW190297, A1379711, A1828574, AA830626, A1758715, AA464646, A1560298, AA629936, W31910, AA936135, AA810103, AW087812, A1801167, A1559162, AW087203, AL021407, AL137300, AF019767, AL133104, AC002480, AF030635, and L78810.

HCUEP01	587	913675	1 - 449	15 - 463	AC004967, AC005206, AC005667, and AC005519.
HCUEQ37	588	881486	1 - 349	15 - 363	AL008718.
HCUEQ56	589	751410	1 - 442	15 - 456	AW452694, and AA972635.
HCUES29	590	579033	1 - 406	15 - 420	
HCUES34	591	850096	1 - 406	15 - 420	AA084609, AI1312309, AI678287, AW151848, AA757621, AL037927, AI962030, AI306717, AW084173, AI567076, AA984920, AW023389, AW402784, AI065031, AL042753, AW238495, AI186233, AA825827, AA496309, AA584655, AA747375, AA584756, AI689135, AW192179, H29914, T67090, AI303008, H40478, AW328027, AA551548, AL078581, AC007199, AC005821, AC005736, AC005081, AC005722, AC007285, AC005520, AL049301, AL049538, U80017, AC002477, AC020663, AL031311, AL021453, AC005015, Z69921, AF129756, AC000120, AC002314, AC006530, Z69653, AP000065, AL035400, AC005519, AP000512, AB001523, AL117258, AF207550, Z98742, Z99128, AC007225, AC004858, AC006146, AC005696, AC007386, AL133245, AP000121, AC007686, AP000045, AC007363, AC000041, AC002115, Z86090, AP000704, AC002350, AC005102, AL049697, AC005057, AC007537, AF064861, AC002306, AC005280, AC004560, AC003957, AL031602, Z98941, AC005899, AC005837, AC005488, AC002059, AC000353, AC004622, U91326, AC004531, Z83856, AP000688, AF111167, AC004967, AL022316, AC002544, AC005746, AC004841, AC000118, AF001548, AC005682, AL049758, AC005220, AC003041, Z93930, AC007327, AC006312, AC004796, Z93244, AC004685, AC005829, AB003151, L44140, AC004962, AC004659, AC005562, AC007868, AC004408, AL096701, AC005049, AC004019, AC005500, AL023553, AB014079, AF165926, AL078463, AC009509, AC004477, X64467, AC006026, U63721, AC006120, L77570, AC004263, AL009179, Z95152, AF111168, AC004491, AC007240, AC006023, AF053356, AL022326, Z97054, AC007731, AC001231, AC005484, AC003982, AC005094, AC004686, Z83844, AP001058, AC000159, AC007367, AL031985, AC005412, AL049843, AC006538, AL021917, AF045555, AC006077, AL031295, AC003029, AC004383, AC002039, Z81364, AP000008, AC002492, AP000208, AP000130, AL096791, AC004148, AP000355, AF196969, AC002312, AL031662, AP000556, AL139054, AC007637, AC006111, AC005387, AC005355, AC012384, AC005288, AL021546, AC006254, AC007536, AC005031, AL035420, AL022165, AC004655, AC004583, AC004876, AC005529, AP000044, AL049776, AF003626, AF196971, Z68284, AC007314, AC006130, AL034420, AP000112, AP000504, AC002299, U62292, AL109984, AC006285, AC005952, Z84466, AC006141, AL049569, AC004675, AL009181, AC005237, AC005730, AC005772, AL031282, Z83826, AP000558, AC007384, AL031587, AC007387, AL050341, AL135744, AC008372, AC006011, AC005618, AP000113, AC000026, AF196970, AC002094, AC006014, AC007226, AC002395, U63630, AF001549, AP000692, AC006441, AC004859, Z97056, AL080243, U91321, AC005632, AF006501, AC006101, AF134726, AC005212, AC002316, AC004755, AD001527, AL109827, AC005756, Z95116, AC006947, AL022324, AC006449, AP000248, D87675, AF038458, AC004941, AL020997,

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HCUES93	592	576498	1 - 415	15 - 429	AC004821.
HCUET13	593	657258	1 - 160	15 - 174	AW292137, AL039500, AI248007, AI078021, AI759999, AI476735, and Z95437.
HCUET27	594	506339	1 - 167	15 - 181	AA353854, AC004659, AC004771, AC005914, AC005245, and AC007182.
HCUEU10	595	964857	1 - 269	15 - 283	AC007281.
HCUEU20	596	970780	1 - 274	15 - 288	
HCUEV08	597	959670	1 - 340	15 - 354	Z95116.
HCUEV17	598	905316	1 - 1428	15 - 1442	AA585439, Z28355, Z30131, AI525556, AI535639, AA585101, AI541374, AA585453, AI557731, AI547039, AI525431, D80253, AI541365, AL045817, AI525306, AL041142, AL041238, AL041133, AL047183, AL040322, AL041131, AL046330, AL041051, AL041292, AL040119, AL047036, AL047170, AL047057, AL047219, AL041227, AL040463, AL039915, AL040625, AL043612, AL041197, AL040155, AL041346, AL040529, AL041096, AL047012, AL041358, AL041277, AL041163, AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496, AL041296, AL041233, AI540967, AL040510, AL041159, AL045725, AL041140, AI546999, AL040193, T11028, AL043467, AL044186, AL041278, AL044037, AL040091, AL040128, AL040168, AL040553, AL040255, AL040285, AL040342, AL040332, AL040617, AL045684, D61254, AL040745, AL040370, AL043677, AL046442, R29445, AL040149, AL040839, AL041752, AL043775, AL044165, AL043492, AL041602, AL045920, AL038838, AI546945, AL044074, AL041635, AL045990, AL040253, AL040458, AL044199, AL044187, AL040090, AL040263, AL040294, AL040329, AL040082, AL044272, AL041186, AL040148, AL041730, AL041523, AL043627, AL046392, AL041374, AL040052, AL043845, AL043537, AI541523, AL039338, AL042135, AL044064, AL038983, AL039316, AL043923, AL043814, AL043848, AL041459, AL043570, AL041577, AL044201, AL044258, AL046850, T23985, AL038532, AL040768, AL037727, AI526194, AL046994, AL040414, AL040571, AL040576, AL046914, AI142134, AL045753, AL044274, AL079878, AL049018, AL040444, AL045857, AL039744, R28735, AL038822, AL045671, AI536138, AL040238, AL046327, AL041168, AL049069, AL043444, AL040075, AI557262, AI541514, AL041246, AL040472, AL041347, AI541535, AL041955, AL038761, T23957, AL080031, T41289, AL045989, AI556967, AI546828, AA585476, R29177, AL044529, AI525316, AI557787, AI526073, D51250, AL046147, T23888, D80219, AI546891, AI546855, AL039643, AI541508, C16305, AI525320, AL042096, AI526140, D59787, AL037436, AA585434, AI541510, D80043, AL039360, AL037435, C16300, AL039924, D80227, AL045794, AI535983, AL044125, AA585356, AA174170, D57491, AL079852, AI541307, D80240, AI535660, AI557799, AI546875, AA585440, AI541017, AL043441, AL039150, AI557807, AI541205, AL038821, AL039085, D80134, AL043445, AI541534, AI541509, AL045211, AL039156, D51423, D55233, AI557238, T24112, T24119, AL039564, AL039538, T11051, AL039108, AL039678, AL039074, AL038837, AL039625,

					<p>AL039648, AL039629, AL037726, AL038531, AL039109, AL040992, AL039128, AL044407, AL039386, AL036973, AL045337, A49045, AR062871, AR054109, I44516, AR035224, A94046, A94054, AR038307, AR038321, I25027, I44515, I26928, I26930, I26927, AR009151, AR027099, A29109, A32111, AR068508, AR068550, AR068510, AR068509, A23373, AR068551, I58322, I58323, I91969, A91752, A91751, I25041, A92081, A92080, A92077, A92078, A92079, I07249, A63954, AR009152, AR017907, AR062872, AR062873, A20702, A20700, A43189, A43188, A84772, A84776, A84773, A84775, A84774, AR067731, AR067732, A58522, A91750, I05430, I05393, A10617, AR028792, A01324, A01323, AR034783, I63120, AR067733, AR064322, AR064323, AR064320, AR064321, A94048, A94061, I85513, A70359, A32110, A83642, A83643, AR018924, AR018923, A48774, A48775, AR000006, AR015960, AR015961, AR000007, AR051652, A92666, A92668, I49890, A92667, A92665, AR019094, AR028791, AR028793, AR003585, A18053, A75888, I70384, A18050, A85308, AR007512, A91754, A44171, A63067, A51047, A63064, A63072, A49700, AR031375, AR068507, AR068506, I58669, A58521, A60213, A23334, A60207, A60208, A60111, A23633, I06859, I66487, A02712, A95051, AR043601, I84554, I84553, E13740, A35536, A35537, I13349, I60241, A11245, I60242, A02135, A02136, A04663, A04664, A02710, E12615, AR035193, A92133, A07700, A13392, A13393, I66498, I66497, I66496, I66486, AR027100, I28266, I21869, A70040, A10361, AR031374, I08051, AR038066, A95117, I19525, M28262, A91965, U87250, AR051957, I66494, I66495, AR035975, AR035977, AR067734, I48927, A25909, AF082186, AJ244004, AJ244005, AJ244005, AR038855, A98767, A93963, A93964, X68127, AJ243486, AR038762, AR051651, S78798, A98420, A98423, A98432, A98436, A98417, A98427, AR035974, AR035976, AR035978, A85395, A85476, Y16359, D78345, AR025207, AR037157, I18371, I44681, A67220, AR008430, AR066482, A85477, A85396, X83865, AR016495, D34614, A86792, A93936, AJ244007, A93016, A58524, A58523, I15717, I15718, E03627, A60212, A60209, A60210, A60211, A77094, A77095, A81878, A64973, I08396, I62368, I00682, A11623, E00609, A11624, A11178, E01007, I08395, X55486, I03331, E14304, AR031488, I13521, I52048, A27396, I44531, E16678, A82653, E16636, A90655, I18895, A24783, A24782, A27169, I09267, I09270, and I09268.</p>
HCUEV65	599	750364	1 - 393	15 - 407	<p>AA531044, AA366245, H88258, AI636734, AI870453, AA508036, AA525293, AA469327, AA877992, AA593471, AI918419, AI609972, AI305258, T05834, T40388, AW192330, AI623563, AW089016, AI270476, AA564671, R82650, AA493789, AA947369, AI275183, AW162227, AI750125, AA502207, AW102811, AI926102, AA482953, AA366601, AI306717, AA601728, AI521525, AA381762, AA581247, H71738, T95676, AI915293, AI587467, AA613164, AA779783, AL119247, R92629, AI524540, AA084609, F35097, AA525331, AI537368, AI280535, AA505554, AI580707, AI689019, AA228778, AW020150, AA568980, C14480, T54464, AI753365, AA536040, AC007308, AC002470, AC007546, AC000041, AC007686, Z84469, AD000812, AP001053, AC004491, AC003663, AC004817, AP000702, AC005225, AC007041, AF001549, AL133382, AF024534, Z98200, AL031257, AC002477, AC005736, AC004991,</p>

					<p>Z99128, AC005924, AC005694, AC006165, AC005037, AL021546, Z95116, AC005620, AP000141, AC007938, AC002126, AC002375, AC007057, AL035587, AC007731, AL049872, AC005102, AC007298, AF060568, AC005666, AC004859, AC003043, AC007011, AC005500, AC005911, AL035072, AF207550, AL034343, AL049764, AC005325, AL121603, AL049694, AP000065, AF053356, AC005971, AL031985, AC006958, AL109801, AL049757, AL049760, AC002350, AC004985, AC005086, AC005207, AB003151, AC006211, AC005821, AC002115, AC005081, AC002996, AC004953, AL049795, AP000688, AL117694, AL078463, AC004805, AL109628, AC007314, Z95114, AL031432, AB023051, AL049869, AP000300, AC004477, AC002316, AC000085, AC005206, AL035249, Z81314, AC009510, AC002550, AC005175, AC004560, Z94802, AC004777, AL109963, AC007327, AC005484, AC005480, AF165926, AC004955, AC004551, Z82217, AC006501, AC002400, AC004883, AC002990, AC005005, AC006111, AC005585, AF196779, AC004079, AC004033, AC005412, AC007226, Z83822, AL009181, Z98257, AC007993, AC007227, AC005752, AC005921, AF038458, AC002425, U80017, AC002094, AC002300, AC004217, AL022238, AC004815, AC018633, AL109952, AL034429, AL049631, AC007382, Z97352, AC004549, AL031777, AC009464, AC005057, U95090, AC004890, AC007917, AL117354, AF001550, AF111169, AC005667, AC004778, AC004796, AC005914, AC004099, AC007690, Z98752, AC003029, AC006312, AP000032, AL008718, AL031659, AL031680, AC004386, AL096701, AC007199, AC008038, AC004167, AC004922, AP000045, AP000113, AP000116, AL021578, AC003101, AC002544, AL031984, U78027, AC005011, AC005274, AL049748, L23859, AC005740, AP000512, AC006023, AL122020, AL021155, AL035683, AC004212, AP000311, AC004156, AC005722, Z85986, AC005529, AL031594, AL049643, AC004616, AC005330, AC005305, AC005907, AC004967, AC002119, AC005355, AC006449, AC005913, AC005332, AL133353, AL049843, AC019014, AC005328, AC005071, AC004000, AC005058, AD000092, AC006509, AC005377, AL078638, AC006011, AC004526, Z93930, D87675, AC005783, AL022302, AC004876, AC006237, AL049709, AC006276, AP000143, AP000047, AC004743, AC007225, L78833, AC004263, and AL035422.</p>
HCUEV82	600	881370	1 - 224	15 - 238	<p>AA348602, AI383596, AI798313, AI089178, AA553900, AL042987, M78032, AI809300, AA857812, AI038324, AI241637, AI347649, AI628922, AA179940, AA657416, AA655005, AA021139, AI309943, AW438946, AA558366, AA346861, AI474127, AA831426, AI090377, AA594719, AA484892, AI188049, AI192465, AI347478, W76645, AA526542, AA569065, AI754421, R67701, AA683091, AA350406, R93854, AA215585, AA326452, AW264393, AA047849, AA808631, N47855, AW327852, AA557911, AI803741, AA572921, AI923052, N52323, AA297443, AC002429, AC005907, AL031311, AC005527, AL049636, AC003029, AC004584, AC000035, AC004966, Z85987, AC005529, AC005535, AC005036, AC004876, AC002312, AC000025, U82083, AL049872, AC004910, AL031005, Z94802, AC005057, AD000092, AC004841, D87675, AC004953, AC006487, AC004056, U73634, AL031295,</p>

					AC007227, AC004003, AC005841, AC005484, Z98884, AC002402, AL022400, AC007666, AF001550, AL008636, X89398, AL078593, AC005754, AC004653, AC005081, AL020995, AC004765, AC005216, AL021546, AC007390, AC004448, AC006006, AL020993, AC004185, AL049760, AC006079, AP000695, AC009247, AC007773, AC006167, AP000555, AF064861, AP000688, AC005011, Z82189, AP000501, U91326, AJ006998, AL022719, AC002544, AB009076, AL049839, AC007684, AC005670, Z99297, AC006953, AL035535, AL034553, AC007551, AL035693, AC005277, AC005881, AC004858, AL117337, AL078639, AC005372, AL133382, AC004491, AC004775, AD000864, AB017602, AC004408, AF047825, AB023048, AC004985, AL035658, AP000509, AL031846, AL035683, AC005531, Z95704, AC005082, AP000167, AF117829, AL049743, AL096774, AC000052, AL096701, AL031685, AF205588, AC005368, AC005808, AL031735, AC003692, AF001552, AL133448, AC005288, AL022334, AB003151, AL109801, AC004019, AC005839, Z68280, AF045555, Z97054, Z83838, AC006197, AC004972, AL109613, AF109907, AF001548, AC005913, AC006461, AC002477, AL034423, AL022314, D84394, AC005803, AC004476, AL035086, AC006947, AF121781, AC004783, AC008009, AC007637, AL109627, AC006141, AP000133, AP000510, AC007021, AB023050, AC005520, AC004983, AC002314, AL049776, AL109852, AB002059, AP000066, AC005667, AC005255, Z82171, AC005588, AC007386, AC005874, D84401, AF134471, AC007225, AL031428, Z97876, AC007327, AL031432, Z98941, AL031602, AL049849, AP001053, AL049766, Z98272, AC000120, L14561, AP000500, AL049589, AC007052, AL035665, Z84496, AC005376, AC006115, U95737, AL022302, AC005952, AL022320, AL132712, U91327, AC002126, and AC005091.
HCUEW19	601	576513	1 - 344	15 - 358	AI801600, AW193265, AL041368, AI350211, T06828, AA553465, AW104748, AI625244, AI688846, AA652057, AA649642, AI284640, AA831527, AA513972, AI918421, AA503258, AA669251, AW301350, AW303196, AW274349, AA346458, AI367975, T40617, AW193432, AW236342, AI580652, AI367497, F18974, AI345654, AA719805, AI708009, AI298710, AI282832, AI434695, AI355206, AI610159, AA501600, AI281697, AI270117, AI446464, AW129001, AI634384, AI287651, AA228420, AW406659, AA688036, AA594145, AA347927, AA347930, AW088058, AI872227, AA079515, AA984708, AA719080, AI341664, AL041690, AI469172, AA493206, AA251117, AA649705, T71030, AA557879, AI886629, AI805607, AW021747, AI696962, AI266133, F29702, AA664015, AL044940, AA745582, AA551503, AA368936, AW072587, F19012, AA747472, AA367986, AA568778, AL046409, AA824655, AA824654, AW439558, AI471481, AI002834, AA252763, AL138265, T15977, AI431303, AW276827, AA515224, F36273, AI613280, AI340453, AL041412, AI565582, AI291124, AW062724, AI802526, AI160117, AW238278, AA563926, F33511, AA100599, AI282336, U51696, AI291268, AW338086, AA302963, AW339568, AI375710, AA723017, U18396, X54176, U51997, U57004, X55922, U18399, U18393, U18398, U57006, X55930, U18394, U57005, U57009, U18391, U18392, X55925, U18390, U14684, X55926, X54180, U18395, U14701, U57008,

HCUEW58	602	850061	1 - 395	15 - 409	X55932, U02063, X55931, U14703, U14707, U14702, X55928, U02048, X54175, U18387, AF196779, X54179, U18400, AF015166, S70699, AF147277, Z22650, Z30993, U67828, S70689, S70692, AF015149, U67827, AF064724, X53550, AC005799, Z49816, AP000553, AC007114, AF077058, U67829, AC005624, AC004381, AF015154, AC004542, AL117258, AF015151, AF001550, AF015157, AC007664, AF015156, AF015147, AC004929, U75285, AF164343, AC007874, Z95114, AL035417, AL031255, AC002045, AC009516, U67831, Z95115, U47924, X74558, AC005043, AC005535, AL008718, AC005527, AC007738, AC003007, U67233, AC006312, AF018071, AL031709, AL049776, AC004878, U67231, AB020865, AC004638, AL049869, AC006011, AP000297, AL021453, U85195, AF060568, AC003119, AF085444, AC005387, AC004955, AP000510, AL035659, U50871, AC005330, Z69917, AC005632, Z49235, X88791, AC006363, AC004876, AC000379, AD000092, AE000658, U29953, AC005412, X60459, AC003111, AL031589, AF134726, AC007064, AC000052, AC004797, AC004167, S77605, AC002091, AF147439, AC006116, AP000402, AP000517, AC000999, AC007041, AL034420, U67225, AC007055, Y14768, AP000501, AC005529, AL078603, AC009891, AC004069, AF038458, AL035587, AC002312, AC006111, AC006013, AF045555, AC004019, AC006285, AC005763, AL031259, Z82198, AF085913, AC005144, AC004812, X76629, AC004033, AL13243, AC004815, U67222, AP000505, AL022310, AC005324, AC005194, AC002307, AC004894, AC003006, AC004821, Z69921, AC002094, AP000338, AC007792, AC005821, AC004531, AF094481, AC004522, AL121655, AC005375, AC005072, Y14486, AC004785, AC007666, and AC004453.
	603	881372	1 - 198	15 - 212	
	604	462365	1 - 343	15 - 357	
HCUEX58	605	953897	1 - 326	15 - 340	H59974, H80899, AL020997, AC007308, AC005081, AF045555, AC007637, AC004686, Z95113, AC004953, Z81369, U95739, AC005049, AL079295, AC002302, AC004491, AL122020, AC005488, AL049869, AL008721, U89337, AC003009, AL031584, AF152365, AF222686, AC006013, AC003663, AC005325, AC007938, AC004854, AC006515, Z99570, AL117337, AL121655, AC005005, AF190631, AC006115, AP000510, AL022316, AC006101, AC007785, AL008726, AC004859, AC005391, AC005102, AL031311, AL132992, AC004477, AC004104, AC004019, AL080243, AL132777, AB023048, AC005632, AC009721, AC007263, AL022343, Z74617, AC006111, AC005971, U07562, AC004685, AC003029, Z82208, AC006271, AC005899, AC004832, AF064861, AL022318, AJ246003, AD001527, Z97054, Z93930, AC005288, AC003689, AC004762, AL109758, AC005015, Z98946, AC006040, AF001549, AC005011, AL121658, AC004893, AJ003147, AC004785, Z84467, and AC002369.
	606	920419	1 - 378	15 - 392	
	607	576519	1 - 387	15 - 401	
HCUEX74	605	953897	1 - 326	15 - 340	AF150416.
HCUEY29	606	920419	1 - 378	15 - 392	
HCUEY48	607	576519	1 - 387	15 - 401	R24915, N32878, R07374, AA748826, AA772016, AI287921, AI051037, AA626829, AA569065, AA745356, H91844, N64587, AA879053, AA055601, AI984593, AW271917, AA657416,

AA837715, AA655005, AI908575, AA525409, AA640617, AA457249, AA827771, AA888777, T03203, AL047411, AA176917, AA594188, AI537330, AF034193, AA613966, R80456, H79308, W02971, L78810, AC005048, AC006509, AL022163, AC007308, AC005920, AL049844, U80017, AL109963, AC005274, AC004000, AC005060, AL031666, AC005231, AL035420, Z68223, AC004148, U82828, AF165926, Z99716, AP000501, AC007276, Z82244, AC004895, AC005606, AC005914, AL008635, AC005701, AC006449, AC007055, AC005280, AC005363, AC004887, AL022320, AC006285, AC004646, AC005081, AC004228, AF109907, AC005378, AC006441, U73024, AC002350, AC002394, AC006241, AC005411, AC006011, AP000356, AC005913, AC007876, AL031283, AC004623, Z83840, AC005023, Z98051, AC006050, AL020997, AF196779, AC004217, AC002301, AC005206, AC004209, AC005406, AL020995, AC004858, M30688, AL035460, AC006538, AL031431, AF207550, Y10196, L44140, AL031295, AF064861, U47924, AC002133, AC005667, Z93930, AP000065, AC007263, AL078581, AC005102, AP000472, Z82214, AL021918, AL035683, AC003695, Z82201, AL035410, AF172277, AL035413, AC004528, AC004019, and AL121603.					
AI028483, and AW023910.	608	576537	1 - 326	15 - 340	
Z93023.	609	932116	1 - 385	15 - 399	
AA626710, AW138429, AI087993, AI077877, N69907, AA657613, AW162236, AI161164, AI356294, and AC004067.	610	675677	1 - 324	15 - 338	
	611	660460	1 - 257	15 - 271	
	612	746601	1 - 305	15 - 319	
	613	951134	1 - 306	15 - 320	
T64920.	614	625728	1 - 292	15 - 306	
	615	576574	1 - 102	15 - 116	
AA679737.	616	920281	1 - 227	15 - 241	
	617	722999	1 - 175	15 - 189	
AC000159, and AB007864.	618	932429	1 - 447	15 - 461	
	619	575844	1 - 448	15 - 462	
R98755, R98754, AA642005, and AW292993.	620	677853	1 - 413	15 - 427	
R09221.	621	575843	1 - 357	15 - 371	
AI824558, AI375432, AA887250, AI914747, AA558412, H93568, AI003725, W89152, AC007229, AC000353, Z99716, AP000355, Z95114, U91321, AL034400, AP001052, AL021155, AC004821, AL133500, AC004985, AL049869, AF134726, Z73964, AC004812, U91318, AC002070, AC003950, AC006441, AC007227, AF001549, AC005829, AC004834, AL022476, AC002394, AC005919, AF064860, AC004687, AC005484, AC004382, AC004491, AC006016, AC002126, AC007565, AC005527, AC002996, AC005971, AC007371, AC004448, AC005057, AC005182, AC004646, Z97054, AC004851, Z98044, AL022313, AC009330, Z79997, AC000003, AC009542,	622	730707	1 - 444	15 - 458	

						AC004882, AL080243, AB001523, AC005377, L44140, AL096791, AL009181, AP000502, AC006211, AC005952, AC005529, AP000350, AC004216, AC007546, AC000077, AC003029, AC004472, AP000194, AL109657, AL078611, AL121595, AC004778, AL133353, AC007151, AC003690, AC005913, AL049569, AC004587, AC004820, Z98752, AC008989, AL022163, AL031588, AC000029, AC007055, AC002400, Z94056, AC004590, AC002039, AC005915, AC006241, AC004890, AC006509, AP000047, AL031276, AC002352, AL031985, AL117694, AL031673, AF053356, AL096701, AB003151, AL035089, AC005102, AP000552, AC006039, AC008072, U91323, AL021939, AC002303, AC003003, AL022323, AL022721, AP000117, AC004990, M90058, AF061032, AJ003147, AC005011, AC003101, AL050350, Z84487, AP000115, AL023575, AC003110, AP000512, AC004967, AC006505, AL024508, AC005193, AC005881, AC005332, AC004703, AL034417, AC006461, AC005015, AC005081, AP001054, AC004796, AL096702, AC004678, AC002468, AC007406, AC002470, AP000066, AC002350, AC008372, AL031005, AC005736, AL020997, AC006274, AL096703, AC005531, AC004841, AC004938, AC004686, AC005089, AC002425, AL117258, AC003010, AC005763, AP000555, AC005839, Y12787, AC002492, AC007688, AL008718, AC004854, AC007382, AP000501, and AL121757.
HCUFM65	623	576809	1 - 452		15 - 466	R47962, AA731533, and AI950023.
HCUFN65	624	741927	1 - 487		15 - 501	AA046457, AI373707, AI864613, AA054000, and AA015959.
HCUFFP13	625	576582	1 - 339		15 - 353	
HCUFFP76	626	861703	1 - 293		15 - 307	
HCUFFP91	627	575864	1 - 140		15 - 154	
HCUFQ80	628	709357	1 - 455		15 - 469	R89560, AA483606, AA570740, AA568204, AA664126, AI250262, N63755, AW083408, Z22963, AA015948, AA768179, AA482725, R89906, T05684, AW152348, AA565679, AA302978, AA633981, AI114772, AI866911, AA503018, AW002330, AA731361, AA487209, AW151018, AI821382, AI820534, H56703, AL120052, AA626411, AI801649, T50251, AA676592, AA810837, AL039801, AA229823, AI065038, F35684, AA228979, AI804539, N24909, AI889579, T51436, AW272815, AA572921, T63030, AA515723, N71619, AA564925, AA837771, AA745297, F31811, AA297006, AI800345, T05617, AW419126, H62923, AI709180, AA228442, AA862075, R34070, AW021608, AA507343, AI791437, N37070, AI732483, F00949, AL041895, H07953, H69653, N95817, AI206078, AL048838, AL041019, AL048825, AA177013, H59651, AW409763, AP000163, AB022537, AC005841, AL031228, AC005858, AB019437, Z95704, AC005192, AC002377, AC003083, AL035494, AC005799, AC004986, AL031432, AC005632, AC004772, AF109907, Z97180, AC005837, AC006406, AC004858, AC004987, AL031277, AC002550, AC003007, AC005820, I34294, AP000548, AC000120, AP000365, AC007277, Z93023, AL022721, AC005089, AC004855, AF139813, AC006597, AC006512, AC007731, AC005500, AC005575, AL096701, AC004910, AC004526, AL096712, AC007227, Z83844, AP000561, AC006030, AP000116, AL049872, AL050318, AC005057, AL109980, AC004033, AC003025,

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HCUFT26	629	575721	1 - 426	15 - 440	AC007879.
HCUFU36	630	575831	1 - 251	15 - 265	
HCUFU49	631	953896	1 - 337	15 - 351	AW403674.
HCUFU58	632	725891	1 - 444	15 - 458	1
HCUFU68	633	694410	1 - 312	15 - 326	AA088560, AI733762, AI733719, and AA053641.
HCUFU91	634	828083	1 - 323	15 - 337	AA077835, AI149915, AC005914, AC007785, AC005082, and AC006371.
HCUFV13	635	578459	1 - 357	15 - 371	
HCUFV44	636	576650	1 - 322	15 - 336	AA361129.
HCUFW41	637	850007	1 - 571	15 - 585	AA618332, and AC004883.
					T65857, AI678013, R44293, R40978, H24231, F01849, AW177822, T92856, AW177816, AC006537, U73166, AC006512, AC000353, AC005102, AC004685, and AC004458.
HCUFW61	638	862086	1 - 442	15 - 456	AL031666.
HCUFW75	639	575830	1 - 307	15 - 321	T08386, AI636734, AA947369, AA077619, R34070, AA830070, AW151018, F09355, AA598605, AI799421, AI459943, AW019964, AI271762, AA565319, AA612727, AL121287, AA788592, AA721554, AA664126, AW408767, AA745302, AA742818, AA878407, AA938390, AI052776,

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HCUFW83	640	577263	1 - 401	15 - 415		
HCUFX24	641	577266	1 - 178	15 - 192		AW449501, and AI751021.
HCUFX74	642	850067	1 - 564	15 - 578		
HCUFY27	643	669876	1 - 112	15 - 126		
HCUFY35	644	577130	1 - 337	15 - 351		AW339568, AW270284, AI305766, AI298977, AI565581, AW102955, AI345522, AA658235, AI357551, AI203955, AI344844, AL120008, AI340453, AI557323, F33121, AI708009, N69962, AI937850, AA225201, AI379719, W07122, AI110848, AI880168, AA657741, AI0533786, AI254338, AI349874, AL134330, AA993198, AI801591, AI084012, AW169687, AW403720, AI345654, AW265009, AI802526, AA581903, AA569284, AW327360, AI697353, AA369477, AA484148, AF034176, AI423941, AI473943, AI889765, AI161293, AI923140, AI924251, AI888110, AI890928, AI890570, AW157326, T71998, AI225141, AW265294, AI358571, AL043756, AA715362, AA251117, AA715270, N43757, AL023575, AL031675, Z98950, AC006211, AL033397, AL049780, AC007055, AC006146, AL034419, AP001039, AC007540, AC005544, AF042090, AC005226, AL033381, AC005906, AC005245, X13921, AC002536, AL021391, AC002430, AC007384, AL049557, AP000295, AL109754, AC005856, Z85996, Z95113, AL022318, AC005684, AL022396, AC002394, AF091512, AC005548, AJ003147, AC004381, AL031311, AC003087, AC004228, AC022517, AP000354, AC007917, AC005821, U63721, Z82194, AC005274, AL137191, AC005386, U07000, AF011889, AC005772, AC004408, AL022147, AC006037, AL031668, Z98049, Z98257, AC007160, AL121580, AL031447, AC007652, AL034376, AC004770, AC006213, AF064866, AB015752, AF029308, AC005722, AL109758, AL132987, AC005070, AP000356, Z84814, AC006840, AC002470, AL034350, AC006996, AC005005, AC005912, AC008012, AL031368, AL034370, AC002070, AC007878, AP000245, AD000684, Z97205, AC009405, AL021977, AF001552, AC005664, AP000958, AC005697, Z93942, AC005820, Z94044, AC005694, AP000566, AC004887, AP000120, AP000167, AP000052, AC004941, AP000961, AC006253, AC006547, and AC005220.
HCUFY40	645	967273	1 - 194	15 - 208		
HCUFZ81	646	878882	1 - 346	15 - 360		
HCUGB48	647	880730	1 - 470	15 - 484		W24312, AA634926, F11421, AW007247, H60486, AA569089, AA938390, Z95331, AC006441, AL022316, AF111168, AL035659, AC012384, AC002378, AC002565, AC007546, AL079342, Z99716, AC005952, AC005225, AC005722, AL109627, AC004876, AP000356, Z83840, AC002119, AL109657, AC005822, AC005736, AC005089, AD000813, AC007066, AL049856, AC004832, AL080243, AL096791, AP000349, AL049709, AC005091, AC007011, AP000113,

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HCUGC96	648	575825	1 - 546	15 - 560		R64618, and R64619.
HCUGD15	649	660343	1 - 429	15 - 443		AI821309, T57758, AI820666, T91659, AI732244, T93260, AC007344, AC002542, AL139054, and AL109946.
HCUGF18	650	666495	1 - 309	15 - 323		
HCUGF61	651	741842	1 - 393	15 - 407		AC009411.
HCUGG25	652	678112	1 - 164	15 - 178		
HCUGH01	653	916600	1 - 316	15 - 330		R09190.
HCUGH30	654	778735	1 - 436	15 - 450		AI248117, N34987, and AI242866.
HCUGH34	655	706469	1 - 300	15 - 314		
HCUGH83	656	862078	1 - 188	15 - 202		AP000011, and AP000153.
HCUGI29	657	584711	1 - 669	15 - 683		AA011550, AA854029, AI808348, AA448255, H61005, AL035067, AL121934, and AC000004.
HCUGI54	658	715310	1 - 154	15 - 168		
HCUGJ35	659	850046	1 - 280	15 - 294		AF150363, U25791, and Z64124.
HCUGK10	660	850035	1 - 347	15 - 361		AW131457, AI792578, AI054419, AA720732, AI244356, AW008089, U95742, AL121603, U91326, AC002544, AC004019, AL022476, AC005527, AC005668, AL034420, AC005670, AC008044, AC007216, AL031255, AL133245, AP000501, AC005971, AC006486, AC003104, AC010169, Z97205, AL022336, AC005484, AC005529, AL109985, AC006948, AL096791, AC003101, AC002312, AC004967, AL121658, AC005031, AC002470, U80017, AL109827, Z81364, AC005921, AC005839, AF205588, AP000105, AP000037, AL049795, U47924, AL117337, AP000354, AC002369, AF190465, AL031670, AF134726, AC005291, AC006441, AC005399, AP000228, AC006241, AC007201, AP000140, AC003688, AC005800, AC004230, AC006312, AC006384, AP000275, AC006511, AC006538, AC007386, AL021368, AL049776, AP000088, AC005482, AC006972, AC005412, AR036572, U91328, AC004655, AC006116, AC004526, AC005841, AC005539, AL049869, and AE000658.
HCUGK91	661	790218	1 - 135	15 - 149		AI049931, AA133226, and AC007685.
HCUGL14	662	658467	1 - 313	15 - 327		F33566, N71930, AL042753, AI888008, AI499094, AC002119, AC005772, AL031589, AF165926, AC006241, AC007676, AL031587, AC012599, AC005730, AL008582, AC005057, AC009248, U62293, AC005527, AC004686, U85195, AC006273, AL021154, AL035414, Z98051, AL133245, AE000658, AL096701, AL035684, AL050333, and AC002115.
HCUGL84	663	496491	1 - 304	15 - 318		
HCUGM08	664	959488	1 - 364	15 - 378		T63954, AA648150, AW438856, W04941, AW236344, H85059, AI016704, AA188665, AW277253, R44641, AA714586, AA593471, AI472075, R70333, AA297698, AA043218,

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HCUGN12	665	970727	1 - 444	15 - 458	AA702118, AW381452, W95006, W95007, and AC002375.
HCUGO02	666	920154	1 - 340	15 - 354	AA127364, AC004033, AC005500, AL049856, AC007731, Z98941, AC002477, AC006088, AC002390, and AL021391.
HCUGP83	667	850029	1 - 206	15 - 220	AC002559.
HCUGQ16	668	917269	1 - 343	15 - 357	Z54621.
HCUGQ18	669	666474	1 - 353	15 - 367	AI686509, AI670941, AI380740, AI652572, AI810486, AA251386, and AF070587.
HCUGR38	670	706471	1 - 332	15 - 346	
HCUGR82	671	916538	1 - 425	15 - 439	AA492380.
HCUGT92	672	692730	1 - 349	15 - 363	
HCUGU46	673	666815	1 - 200	15 - 214	
HCUGV38	674	850032	1 - 361	15 - 375	R96187, AA327572, R96188, AA582056, AW084237, AI791180, AI821138, AA508578, AW194802, AI623499, AA649148, AI932902, AA707289, AA669816, H54292, AI889612, AI623423, AA573189, AL041364, AA085863, AA380599, AA357240, AA078084, AA594725, AI926366, N54179, AI4446638, T61853, AI660594, AA365144, AA584749, AI124660, AA650135, AA864575, AA806762, AA524668, AI863399, C14600, AI064952, AI963720, AA516326,

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AC007964, AJ229041, AF020802, and AP000687.
AI557735, AI541487, AI541489, AI526178, AI557747, AI541516, AI526200, AI557797, AI541491, AI557718, AI541501, AI526151, AI557724, AI557740, AW393605, AI526177

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HCUGY26	677	953550	1 - 480	15 - 494		T86914, R11217, H81306, AL035495, AC005325, AC004836, AP000350, and AC020663.
HCUGZ15	678	792418	1 - 363	15 - 377		AA580889, F35659, AI446464, AI064864, H29303, AA610491, AI792108, AI079129, AW274349, AW303196, AW301350, W45336, R89436, AW338086, AA663306, AI886629, N27353, AA847997, T06652, AI872460, AA558227, Z81364, AL080243, AP000558, AP000557, AC009516, AC006016, AC007556, AP000556, AP000552, AC008372, D87001, D88268, AC007021, AC005574, AC004741, AC006019, D87675, AC004614, AC005542, Z84487, AC004859, AF011467, AL031686, AC006441, AL035411, AP000141, Z75894, Z75895, AC004467, AC006313, AP000088, AC004814, AL031122, AC005071, Z98884, AF090944, AL008582, AC004702, AC004894, AL031662, AC005899, AC000035, AC005049, AC004821, AC005690, AC004448, AC007934, AC005971, U95743, AL109963, AL024474, AP000104, AP001052, AC006925, AC006211, Z49236, AC006561, AC002369, Z84480, AC002456, AJ010598, AL031276, Z98052, AC002981, AC005531, AL035695, AL079340, AL031666, AL049856, AC006600, AL109847, U66059, AC004841, Z85987, AL133245, D86999, AC000090, AC006292, AL050332, AC006203, AF111168, AL023713, AC008984, AC004777, AL031767, AL022337, AC005799, Z84488, AC002289, AC002485, AC010072, and AL078593.
HCUHA63	679	745094	1 - 296	15 - 310		AA494014, AI628859, AL041352, AW002330, AL035249, AC009247, AL121757, AC006057, AL121769, AC004217, AC004134, AL050341, AC006449, AC004143, AC005284, AC002369, AC005351, AC000120, AC005206, AC005667, U80460, Z83822, AC006315, and AC002128.
HCUHA74	680	576850	1 - 434	15 - 448		AA629699, AP000346, AP000347, AL021368, and Z79145.
HCUHB30	681	850018	1 - 438	15 - 452		AW440928, N58862, AA613460, and Z97989.
HCUHC25	682	920830	1 - 305	15 - 319		W39262, AI797360, and AI823657.
HCUHC41	683	712343	1 - 354	15 - 368		Z98036.
HCUHC45	684	671212	1 - 354	15 - 368		
HCUHC69	685	693007	1 - 189	15 - 203		
HCUHD50	686	650854	1 - 398	15 - 412		
HCUHD55	687	705384	1 - 479	15 - 493		AW419262, AI284640, AW238016, AI053672, AA559290, AA077776, AI536625, AA837771, AA614069, AI653886, AA365302, AW021917, AW419389, F32926, AI499938, F24728, AI926233, AI761471, AI299050, AI334443, AA167741, AA302963, AA489775, AW023111, AA526724, AA843450, AI915081, AI357823, AA652057, AA346586, R67701, AA804379, AA528500, AA973803, T80500, AW248940, AI185394, AI754291, H67172, AI561116, R91994, AL046746, AA486820, Z23147, Z61362, AC004126, AL109627, AL031255, AC006948, AC000134, U02058, AC005482, Z99755, AC006270, Z82244, AC006057, AC006125, AL031281, X54176, AL133353, AL031732, AC004526, X54181, X54178, AC006511, AL031432, I34294, AP000115, AC005317, AC002492, AC002316, AC002990, Z84476, AC005747, AC005291, AC005378, AC006070, AL035659, U89337, AL031055, Z84488, AL135744, AL031587,

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HCUHE23	688	675910	1 - 314	15 - 328	
HCUHE31	689	693311	1 - 340	15 - 354	AA127426, AW023990, AA080866, AL031591, Z97056, AF131217, AC005512, X60653, AC004858, AC016831, AL096703, AF165147, AP001052, AC006088, AC005031, AC004084, AC005281, AC008132, AL031542, AC004999, U80017, AC005920, AF087913, AC005180, AF200465, AC005242, AC005189, AC007686, AC005908, AC005529, AL035422, AC005829, AC002477, AC008018, AC006064, AL050332, AP000493, AC008033, AC000025, AC004972, AB023049, AL035658, AC005695, AL096791, AP000555, AD000090, and AC006023.
HCUHE43	690	754187	1 - 314	15 - 328	
HCUHE48	691	835917	1 - 397	15 - 411	AI800436, AA746360, and AI800456.
HCUHE76	692	666599	1 - 319	15 - 333	AC002492.
HCUHF12	693	970685	1 - 543	15 - 557	AL023096.
HCUHF41	694	878528	1 - 529	15 - 543	AI254913, AA547947, AW302080, AW302087, H82133, AA846952, AI932599, AA569661, AI082791, AL119691, AI253007, AI470239, AA507612, AI751216, AW303096, AW268291, T60681, AW410354, AI382825, AA491681, AI278972, AA569471, AI002941, AI923333, H90844,

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HCUHH14	695	658452	1 - 197	15 - 211	AI695562.
HCUHI34	696	923803	1 - 503	15 - 517	
HCUHI54	697	720378	1 - 311	15 - 325	
HCUHI12	698	970782	1 - 205	15 - 219	AL031708.
HCUHI15	699	577304	1 - 418	15 - 432	AC003007, and AC005632.
HCUHI30	700	966583	1 - 568	15 - 582	
HCUHI58	701	575796	1 - 387	15 - 401	
HCUHM44	702	615198	1 - 95	15 - 109	
HCUHM61	703	576561	1 - 472	15 - 486	

HCUHM94	704	736095	I - 250	15 - 264	AC002302.
HCUHO60	705	576563	I - 258	15 - 272	AP000313, AP000193, AP000050, and AP000117.
HCUHP20	706	669737	I - 384	15 - 398	AA122006, AA122007, AI733856, AI753365, AI254779, AW419262, AL039187, AI017251, AW274078, AA482711, AA584489, AI634187, AI862716, AW193493, AA527209, AA503019, AW117740, AW069227, AW271069, AA610509, AA410788, AW162049, N73060, AA579179, AI929531, AA634837, AA315361, AA574442, AI250552, AA742815, AI284543, AI457313, AI912401, AI040051, AI079901, H30475, AA483606, AL079734, AI254770, AA287570, AI251284, AI251034, AI251203, AI223626, AI249853, AA652868, AA570740, AA613627, H47736, T50676, AW029038, AI679413, AI380617, AI569086, AI004591, AI469599, AA856961, AA582554, AA228778, AW167154, AI821044, AA255853, AA904275, AL120343, AW067788, AA513846, AI079423, AI475611, AA904211, AI962050, AW068007, AI885572, AI908093, AI623805, AW302048, AI564209, AI338426, AI365988, AI687206, AI653886, AI053978, AI884522, AI339850, AI570261, AA019973, AI270476, AA558366, AA568204, AA013168, AI276298, AA569706, AW406755, AW068008, AI358229, AW166815, AW004884, AI866580, AI732120, AW089950, AC000353, AF024534, AC007666, AC005086, U91321, AC005291, AC005678, AC002126, Z82203, Z95152, AC006211, AP000510, AC004895, AC005071, AB023048, AC004417, AC005412, AC005531, AC002070, AC004099, AL034351, AC005102, AL117340, AL035450, AC006312, U63721, AC006511, AC007193, AC005411, I34294, AC006314, AC007199, AC005484, AL109627, AB003151, AL031680, AC004797, AF109907, AF111168, AC007395, Z84480, AC009247, AC007686, AL139054, AC005777, U82828, AL023803, AC005837, AF196969, AC006084, AC005800, AC005225, M87914, AP000556, AP000557, AC005722, AC004253, AC005971, AC005274, AF085946, AC006088, AL049830, AL035658, Z97054, Z85986, AP000289, Z84466, A39972, AC005520, AP000042, AP000110, AC005736, AC004999, AC002312, AC005089, AL031281, AC005237, AL031282, AL109865, AP000688, AL034418, AL049749, AC003047, AC005081, AL121603, Z98946, Z84487, AP000501, AL121652, AL021546, AC004477, AC004491, AC004953, U95739, AL049843, AC004890, AC002519, AF015160, AC000087, AL096791, AL033392, AC003111, AL035458, AF134726, AL035587, AC004517, AC004973, S75201, AC006947, AC007225, AC005015, AF045555, AC006538, AC004686, AL021391, AL049874, AL022165, AC002310, L78810, AC005220, AF196779, AC007551, AC005075, AC004263, AL035682, AP000694, Z98048, Z94801, AC012627, AC006597, AL035415, AC005859, AC005696, AB001523, AC004812, AC005300, AC004985, AC004841, AJ003147, AD000813, AC007065, AP000037, AC002997, AC004804, Z85987, AP001053, AC006581, AC007785, AP000211, AP000133, AC005037, AC005829, AC006121, AC016831, AC007845, AC006006, AC002563, AP000113, AP000045, AC003950, AL031685, AC004168, AL034420, AL049776, AC008545, AF165926, AC004884, AC005057, AF092858, Z77249, AC007226, AC004882, AC005529, AL133448, U96629, AC002565, Z98304, AC003043, AC004000, AC004234, Z83845, AP000088, AC005363,

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HCUHQ13	707	575803	1 - 352		15 - 366	
HCUHQ33	708	575800	1 - 341		15 - 355	AA460896, W72144, AA210943, N27422, AA496897, AL035413, and AL035249.
HCUHQ37	709	850010	1 - 386		15 - 400	AI281622, T95073, H52431, AC006077, AC005412, AC005911, AL033392, AC005736, AL031291, AC005529, AL109963, AC005049, AC005071, AC005089, AC005899, AC006111, AC005520, AC004491, AL133245, U91326, AC005015, U91323, AL023807, AC006261, AC006487, AC005295, AC008372, AC009247, AC005874, AF134471, Z93244, Z93930, AC003108, AC004938, AC002404, AC004882, AC005081, AC006312, AC003070, AP000514, AL096701, AC005255, AL049776, AP000692, AL020997, AF165926, AC005544, AC005332, AC007537, U95742, AC005399, AL096678, AL049795, AL022318, AC007205, AF196971, AC005225, AF124523, AC004814, AC006449, AC007263, AC009516, AC005088, AL109827, AC004139, AC004098, AC002429, AL049869, AC005722, AC002544, AC005527, AC006538, AC004922, AF118808, AL031311, AL035422, AL022323, L78810, AC007055, AP000952, AC007993, AL109627, AC005280, AC005881, AP000045, AP000113, AC005921, AL135744, AP000556, AP000502, AC004876, AC003109, AC005932, Z99716, AD000092, AC007226, AL031447, AC005480, AF111168, AC005694, AC007216, AC004893, AC002565, AL139054, AL031587, AP000512, AC002310, AC004596, U85195, AF134726, AP000557, L47334, AC005207, AC000353, AC007193, AC002550, and T97461.
HCUHQ74	710	765638	1 - 341		15 - 355	AW020154, AW245057, AW023511, AA365318, AI648433, W63553, AA643451, AA659200, N62666, AA559166, AA171892, AI086039, AA584756, AW029444, AA633039, H43183, AI049504, AA643441, AI628245, AA330380, AI890753, AI635819, AA230155, AW130427, AI733748, AA278496, AI732430, AI049986, AA126763, AA126811, R63003, AL134330, AA993198, AI753365, AI922850, AC005701, AC005777, AC004242, AL031668, AP000113, AC003982, AL022336, AC006480, AL022324, Z83843, AC007057, AL022302, AC004386, AC007308, AC005932, Z97183, AC004382, AP000512, AF037438, AC005295, U91326, AL008639, AC002470, AL121825, AL049759, AC007192, AB023051, Z82194, AL049569, AC016027, AL020993, AP001046, AC006165, AL031276, AC005756, AC016830, Z97054, AP000354, AL022329, AC006441, U18671, AC007136, U37761, AC005874, AF134471, L34079, AF129756, AC005488, AL109801, AC006487, AC005081, Z99716, AE000660, AC006077, AC004467, AP000303, Z98941, AP000349, AC005412, AL031311, AC005529, AC002477,

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HCUHS19	711	566809	1 - 280	15 - 294	R44293, R40978, H24231, AI678013, T63857, F01849, AW177822, AW177816, AC006537, AC000353, AC006512, and U73166.
HCUHS60	712	850009	1 - 272	15 - 286	
HCUHT21	713	577265	1 - 122	15 - 136	AI207507.
HCUHT56	714	722649	1 - 447	15 - 461	AA459655, AC006125, AF196779, AC002425, AC005529, AP000511, AC005778, U96629, AL049576, AC005924, AC007688, AC009294, AL022726, AC005726, AC006538, AC004084, AL008730, AL021155, Z98036, U93305, AC004685, and Z99716.
HCUHU68	715	577795	1 - 212	15 - 226	Z98883.
HCUHW54	716	730716	1 - 100	15 - 114	
HCUHW59	717	739329	1 - 164	15 - 178	AW275339, and AI879909.
HCUHY49	718	577887	1 - 288	15 - 302	
HCUJA48	719	721719	1 - 470	15 - 484	
HCUJ35	720	713818	1 - 490	15 - 504	U91320.
HCUJ80	721	577172	1 - 100	15 - 114	AC005200.
HCUJM51	722	725724	1 - 441	15 - 455	AI821342, T65972, T62955, AL039515, AI820553, AW272389, AA135761, AI969090, AA197089, AI581006, AA955031, AA558488, AI889177, AA340581, AI250333, AI310787, AI310670, AI349130, AI857834, AI174827, AA525156, AA525331, AA507623, AW366198, AW008217, AI150934, AI590442, AA493546, AA809104, AI821945, AI733856, AW192518, N35135, AA598605, AI090377, AW069227, AI049504, AA714389, AI309943, AI754037, AC004893, AC004859, AC003689, AL109798, AC005484, AL096791, Z85986, AC005725, AC006539, AC005529, AC005913, AP000501, AC006241, AC005225, AL022322, AC005828,

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HCUIN18	723	666537	1 - 273	15 - 287	
HCUIO82	724	883812	1 - 323	15 - 337	
HCVAC18	725	889480	1 - 219	15 - 233	
HCWAA20	726	669991	1 - 108	15 - 122	
HCWAB01	727	921689	1 - 320	15 - 334	AW070506.
HCWAB44	728	669714	1 - 313	15 - 327	AA584207, AL031680, AC007688, AP000692, AC004910, AC005088, AC004491, AB003151, AC005071, AC005015, AL022326, AC005409, AC005081, AL020995, AP000688, AC006468, AC005768, AC009247, AL109839, AC012384, AF053356, AC005179, AP000167, AP000052, and AL031848.
HCWAB50	729	724684	1 - 139	15 - 153	

HCWAB56	730	507283	1 - 311	15 - 325		
HCWAB67	731	529658	1 - 112	15 - 126		
HCWAB80	732	959937	1 - 415	15 - 429		AA654766, AC005874, AF134471, AC005211, AC008044, AF030876, U52112, Z97054, and AF031078.
HCWAB92	733	523447	1 - 238	15 - 252		
HCWAC68	734	529653	1 - 321	15 - 335		
HCWAE16	735	660280	1 - 156	15 - 170		
HCWAE50	736	655130	1 - 211	15 - 225		
HCWAF02	737	920993	1 - 711	15 - 725		
HCWAF45	738	723452	1 - 322	15 - 336		AI271873, AA834816, AI053939, AW382603, AW021847, H72269, AA079260, R81017, R62710, T58562, AI003068, AA507623, AA525818, AA533660, AA515048, AI826857, AC003957, Z93023, AC005837, AC007182, AC005245, AC005933, AC004771, AC005914, AC005695, AC005102, AC003685, AP000497, AC004031, AC004132, AC003678, AL008582, AL109952, L78833, AL021546, AC005014, AL049776, AP000694, AL096701, AP000279, AL008722, AP000038, AP000106, AL078644, AC006484, AC007542, AC005899, AC003003, AC006581, AC007066, AC004890, AL096678, AF196779, AC006417, AC007192, AP000502, AL050333, AC007057, AL049872, AC005399, AL035249, AL021878, AP000116, AP000103, Z97056, AC003041, and AC002476.
HCWAF60	739	523354	1 - 301	15 - 315		R91062.
HCWAF80	740	529498	1 - 286	15 - 300		F02374.
HCWAG20	741	839796	1 - 299	15 - 313		
HCWAG70	742	529357	1 - 352	15 - 366		
HCWAH52	743	574929	1 - 235	15 - 249		AA812265.
HCWAI93	744	523536	1 - 330	15 - 344		AW134548, AA649218, AF022655, and AF049105.
HCWAJ55	745	529361	1 - 68	15 - 82		
HCWAJ58	746	740987	1 - 351	15 - 365		M77919, and AL109984.
HCWAK51	747	751640	1 - 297	15 - 311		AA837325, AI679390, AI679898, AA808982, AA971196, AA112924, AA856815, AA207147, AW408063, AI298079, Z97630, AC005921, AC006597, AP000030, AC004882, AC002477, AC005529, AP000163, AL121658, AL031602, AC004531, AC005071, AC004856, AC009516, S42653, AF109907, AB026898, AC004638, AC006449, AC005899, AC004831, AC007546, AL049697, U95742, Z86090, U52112, AL031005, AL031767, AP000501, AC007066, Z98946, AC005089, AC002527, AL034420, AC005846, AC005231, AC007216, Z81369, AC006581, AB023054, AC005696, Z84469, AC005768, U95741, AL033397, AL109628, AL109865, AC004770, AL079295, AL133238, AC005488, AC008124, AC006509, Z97876, AL031733, AC005971, AC008372, AC007055, AC005663, AC006445, AC004491, AC004019, U95740, AC007041, AC005695, AC004526, AC004851, AL022238, AC004801, AJ246003, AL022327,

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HCWAK80	748	702435	1 - 470	15 - 484	
HCWAL14	749	861958	1 - 332	15 - 346	
HCWAL22	750	579046	1 - 468	15 - 482	AC005327.
HCWAL39	751	861893	1 - 330	15 - 344	
HCWAM08	752	960170	1 - 95	15 - 109	
HCWAM39	753	529349	1 - 170	15 - 184	U95742, AC007216, and AC007226.
HCWAM49	754	849980	1 - 495	15 - 509	
HCWAN17	755	966646	1 - 684	15 - 698	AA630456, H38769, AI581223, AI003797, AL037777, H65697, AW161459, AW161879, AI191343, AA936548, AI473671, T90477, AA743968, AA299422, AA361354, AI570380, AI733856, AL047645, T94072, AA715891, AI287766, AA292719, H24953, AI054414, AW007424, AA501781, AA526424, AA577824, AA456149, AI684335, AA811150, AA654849, AA669320, AA493657, AA380781, AI866580, AA640495, AI049630, N87333, F31203, H47208, AA064978, AA678976, AA745628, AI357109, AW084100, AI308598, AW029515, AI683116, AA133013, AA714338, AA584525, AI473995, H94979, AI247101, AW022796, AF092853, AF092850, AC006160, AC005412, AC004929, AC005872, AL008636, AP000353, Z75407, AF092851, AF195658, AC002040, AC006262, Z98200, AL023513, X58139, Z54246, AC006480, AF191069, AF007563, AL121754, AC005620, AL096766, AC006530, AP000144, AC004773, AP001067, U85195, AC004990, AL031005, AC005480, AE000658, AP000313, AL034418, AC004475, AC005829, AP000194, AC006323, AL096701, AP000555, AL049569, Z84469, AL049780, AP000116, AP000050, AF196969, Z99297, AC006449, AC006050, AP000229, AP000151, AP000043, AP000117, AC005696, AC006021, AP000049, AC004851, AL034553, AC002316, AL022158, AL109952, AC005197, AP000311, AC002390, AL008718, AC007191, AL030996, AF132033, AP001068, AC003048, AC005233, AL034548, AL049779, AL035079, AC004651, AC003663, AF130343, AC002504, Z93024, AL031597, AL122023, AL121748, AL023799, AC000066, AC005231, AL035691, AL117258, AI251973, L22968, AC005544, AC004760, U52112, AL024498, Z98304, AP000010, Z85999, AL109967, AC005803, AC006251, AC004262, AB014088, AB033024, AC005037, AC002314, AC007488, D89927, AF106656, AC005178, U63630, AC005192, AL022326, AB000876, L34079, AP000506, AC002045, AB000882, AB020868, AC006241, AC003670, Z98747, AF143316, AC007204, U96629, AC007263, AJ011930, AL121577, AL021939, AC005280, AC007193, AP000115, AC002375, U52111, AL049835, AC006538, AC004492, AC005820, AC004923, U02047, AC003992.

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HCWAN55	756	928116	1 - 375	15 - 389	
HCWAP63	757	523259	1 - 409	15 - 423	AL022067.
HCWAP66	758	889439	1 - 303	15 - 317	AI216990, AI076729, AC007381, and AF109907.
HCWAR05	759	932623	1 - 397	15 - 411	
HCWAR59	760	916461	1 - 687	15 - 701	
HCWAR63	761	523255	1 - 392	15 - 406	
HCWAR76	762	529652	1 - 488	15 - 502	
HCWAR84	763	529241	1 - 199	15 - 213	AC005820.
HCWAT16	764	523125	1 - 326	15 - 340	
HCWAT59	765	529236	1 - 339	15 - 353	
HCWAU26	766	849902	1 - 263	15 - 277	
HCWAU89	767	589836	1 - 333	15 - 347	
HCWAV75	768	849976	1 - 396	15 - 410	
HCWAY41	769	542388	1 - 336	15 - 350	
HCWAZ16	770	529227	1 - 328	15 - 342	
HCWAZ43	771	849892	1 - 496	15 - 510	
HCWAZ66	772	523243	1 - 434	15 - 448	
HCWAZ73	773	523299	1 - 284	15 - 298	AI720968.
HCWAZ91	774	529226	1 - 443	15 - 457	
HCWBA18	775	529224	1 - 179	15 - 193	
HCWBA21	776	937631	1 - 394	15 - 408	T59362, and T59390.
HCWBA49	777	723359	1 - 327	15 - 341	AI695904, AI652833, and AC005576.
HCWBA50	778	835532	1 - 326	15 - 340	
HCWBA55	779	529222	1 - 296	15 - 310	
HCWBA64	780	715579	1 - 265	15 - 279	
HCWBB27	781	967045	1 - 392	15 - 406	AI709174, AI932902, AA078084, AW194802, H54292, AA085863, AI889612, AI623423, AW236342, AI268812, AA563770, AA573189, AA252763, AI824562, AA526779, AA669816.

					AA846935, AW190760, AA917683, AI282336, AI889440, AL042756, AI537030, AA176605, AI291124, AI312149, AA515224, AA179706, AI291268, AW270258, AA604514, AW008212, AP000689, AC005808, AC005969, AL023553, AC012627, AL023575, AL033376, AC006312, AL109654, Z84721, AC007066, AC006360, AC005304, AC002400, AC005480, AL078581, AL031985, AC005004, AC005682, AC005317, AC002312, Z84487, AC007537, AC005206, AC005358, AL136295, AF053356, AC004087, AC002316, AC002558, AC002319, AC006241, AC003663, AC005011, AC005667, AC002310, AL049745, Z93930, AC007055, AC006040, AC005412, AC005015, AC005399, AC005519, AL021939, AC007934, AC006211, AL031848, AF003626, U91326, AC012384, AL096763, AL117354, AC002302, AF207550, AC004263, AC005041, AC003982, AC007151, AL031666, AC002072, AL031662, AC000052, AL008582, AL049759, AL121655, AC005324, AC004966, AL121603, AP000359, AC007263, AC007666, Z83826, AL035422, AC002350, AC006449, AC007536, AF111167, AC002544, AL031670, AC005081, AP000344, AC005516, AC003664, AC005756, AL008723, Z97630, AC007216, AC004076, AL022320, AP000552, AC006953, AC006160, AL009181, AP000350, AC005379, AP000355, AC007707, AC002984, AC004254, AC006430, AJ246003, AL022336, U85195, AC005069, AL049869, U07563, AL133448, AL031587, AC005632, AC006450, AC007371, AC007050, AC005102, AL031584, AC004821, AL022312, AC005696, AL020996, U95740, AC005899, AC005562, AL022318, AC005874, AF134471, AL035681, AL021578, AC004972, AE000658, Z99716, AC004983, AC004752, AL022326, AC004019, AC002425, AL109627, AC009516, AF109907, AL021394, AC006571, AC007363, AL035521, AD000813, AC004540, L77570, AC004929, AC004000, AC005291, AC004383, AP001038, AC004963, AC004253, AC002565, AC004106, Z98051, AC006088, AC005844, Z94056, AC005104, AF001549, AL049776, Z93023, AL035405, AL031589, AF064861, Z83840, AL050321, AL080243, AC005747, Z84480, AC002430, AC005839, AL008635, AC004771, AL031281, AC004894, AB023049, U80017, AL031393, AL049712, AL121934, AC006539, AC018633, AC005878, AC004841, AC003950, AL109628, AP000512, AF111168, AC004560, AL121825, and AC007227.
HCWBB63	782	667283	1 - 332	15 - 346	
HCWBC16	783	529350	1 - 208	15 - 222	
HCWBC28	784	584778	1 - 341	15 - 355	
HCWBC32	785	574909	1 - 361	15 - 375	
HCWBC54	786	573188	1 - 331	15 - 345	AF187320.
HCWBC61	787	728666	1 - 313	15 - 327	R91175, AA347930, AA347927, AI431688, AA078849, AI690686, AA328169, R70333, AW238345, AA078869, F23239, AA364224, AA177120, F04987, R40056, AA843450, AI160117, AW088984, D29495, AA449523, H79261, AI561255, AA310868, AW272758, AI185122, N31557, R36315, AI679442, AI679952, AA449088, T59509, AA704643, H78230, R77905, R96959, AW102849, AA347101, AA985357, AA581463, AA810283, AA338486, AI610376, F33566,

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HCWBC69	788	849971	1 - 290	15 - 304	
HCWBC71	789	784052	1 - 69	15 - 83	
HCWBC81	790	849974	1 - 248	15 - 262	
HCWBD54	791	706513	1 - 238	15 - 252	
HCWBE25	792	529216	1 - 127	15 - 141	
HCWBE37	793	542403	1 - 307	15 - 321	
HCWBE49	794	932196	1 - 406	15 - 420	
HCWBE51	795	782317	1 - 418	15 - 432	
HCWBE58	796	773587	1 - 161	15 - 175	
HCWBE69	797	723717	1 - 435	15 - 449	W45011, AL191804, AA773406, AA361071, AW402184, AA853510, AA314671, AW401537, AA345752, AA378756, AA346880, AA367230, AW405965, T80869, T72713, N23610, R19889, R94160, N55688, Z43415, R18379, W21269, AW403145, W19964, AA325636, AW401713, N57425, AA313360, N57316, W46199, AA670088, AA313277, AW160492, AW247594,

					AL035943, AW245750, AL035940, AW247213, AL036958, T08768, AA340025, AA295206, W22826, W22385, AW363955, W40348, AW402954, AA377322, R12313, W17327, R58256, N87501, AW366672, AI034239, AA204793, AI033895, D31767, and AF085348.
HCWBE71	798	688011	1 - 393	15 - 407	AC006465.
HCWBE76	799	968515	1 - 158	15 - 172	
HCWBG06	800	954670	1 - 60	15 - 74	AW450440, AW444820, and AW301590.
HCWBG30	801	920530	1 - 289	15 - 303	AI440268, AA523203, AA523204, AI114755, AI160875, AA506952, AW019964, AW265274, AA368329, AI609972, AI753536, AI635677, AI690335, AA807704, AL047480, H40478, AW237905, AA551204, AA837771, AW029626, AI749306, AI888050, AL048002, AA351868, AI982994, AW341955, AI114645, AW263867, AL041895, AI453160, AI564294, AA831997, AA632765, AI471467, H87756, AA629939, AI348780, H43183, AI799421, N45056, AL042373, AW169469, AA320521, AA653291, AI378437, AL118998, AI750692, AA635433, AA683069, AA604797, AI800345, AA642289, AA207147, AI345394, AW023376, AA788904, W27084, N22501, AI671077, AI929298, AI929825, HI5241, AA670108, AA741301, AW007424, AA225100, AW157180, AA827383, AI537480, W96522, AI915068, AI114543, AW197926, AC004686, AC004242, AL031662, AC006312, AC005355, AC005189, AC005081, AL021917, AC005338, AC005736, AB023051, AP000512, Z83826, AP000501, AC007510, Z84481, AC007363, Z83838, AC007488, AC007225, AL079295, AL139054, U96629, AP000125, AC006549, AC005821, Z93023, AL031286, AL117694, Z82244, L13176, L77570, AF024534, AP000252, AP000098, AF064866, AC005969, AC005899, AC007285, AC005212, AP000515, AL133289, Z97832, AP000212, AP000134, AC002395, AC005772, AC005231, AC005183, AC007151, AC012384, AC002302, AC005911, AP000031, AF031078, AL136297, AC005940, AP000558, AC004253, AF029308, Z98036, AC005086, Z85996, AC004596, AF030876, Z98941, AC007688, AC005952, AL117391, AC005778, AC002347, AJ246003, AC006070, AC005412, Z79997, AP001053, AL035405, AL035587, AC005972, AC004030, AC007387, Z97352, AL022336, AC004913, Z97053, AL078611, AC005902, AL049872, AC004531, AC004973, AC004813, AC005670, AL109984, U29953, Z97184, AL031284, AC002563, AP000014, AP000692, AF113694, AL117344, AC005839, L78810, Z98743, AC004779, AL031686, U55184, AL109628, AP000172, U62631, AF050154, AC012085, AP000057, AP000355, AC007617, AC007226, AL031311, AC006211, AL049692, AL008718, AC002400, AC005271, AP000502, AC005529, AC005358, AC002527, Z81369, Z95115, AC007025, AC005632, AC002425, AF111167, AC002350, AC006120, AL031985, Z98256, U91318, AL049631, AC000094, Z84484, AL022318, Z99716, AF053356, U43572, AC004912, AC007455, AC006111, AL121652, AL035681, AC000097, AL034451, AP000553, AL049845, AL009172, AC005181, AC006547, AC005218, AL035398, AC004611, AC005565, AL021391, AL022238, AC020663, AL035685, Z84483, AC004999, AC004967, AC002984, AF129756, AC003070, AL031123, AB014085, AC004187, AL031282, AC006571, AC003972, Z83844, AL050348, AL121603, AC007041,

HCWBG40	802	676588	1 - 540	15 - 554	AC002565, Y18000, AL009175, AC005049, AL031432, AL031003, AC009516, AL031276, AL096761, AC005695, AC004662, AD000092, AL049588, AC002045, AC002082, AL035610, AL023803, U80017, AC007731, AC007358, AL096775, AL096774, AC000118, Z98304, AC005031, AL109623, AL050341, AC005500, Z99943, AC004876, M84472, AL021546, AL133245, AC004834, AF106656, AL031846, AC004149, AL022719, AC003957, AL034553, and AP000331.
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HCWBG41	803	839014	1 - 283	15 - 297	
HCWBG43	804	689743	1 - 197	15 - 211	W60516, T39598, A1284640, AA557325, A1358229, AA916039, AW406755, AA513999, A1110770, AA826303, AW074398, A1205126, AA551509, AW274349, A1625244, AW023672, AW265385, AA483034, AW303196, AW301350, AA720702, F35113, F36273, A1133164,

AI88518, AA59290, AW440810, AL138265, AI334443, AI064864, AW249224, AI802526, AI890928, AA610491, AW172727, AI053816, AI890570, AL036523, AA111909, AA525416, AL040130, AI610920, F19258, AA587604, AA995824, AI435544, AA587256, AI281881, AW272758, AI016000, AW021747, AW023511, AL040913, AA831388, AA340960, AW301818, AI358343, F29989, AI568678, AA177061, AI653905, AW238278, AA601388, AA729264, AI799642, AL040547, AI133262, AL037554, AL079683, AI358571, F34460, AI608626, AA434484, AI287528, AI471481, AL041368, AI955533, AI365988, AL042753, AW023389, AA501784, AI307426, AI962050, AW166815, AA515051, AA654627, AA132450, AL048925, AI251002, AI929531, AW339687, AI679782, AL042420, T90248, AI623696, T08638, AW265294, AA904218, F27027, AA630352, N43757, AI635272, AW249835, AI339850, AI610159, AA828064, AI890923, AW162049, AW168342, AI859251, AL134972, AW361583, AI446464, AI037914, AI567674, AI003743, AW022379, AI904894, AA229785, AI653636, AI049722, AI273185, AI561255, AI917271, AW440836, AA581903, I51997, AF015167, X75335, S75201, M37551, U12580, AC000159, U12582, U14719, U14718, U14717, U14716, U14714, U14715, U12583, U14713, D83989, Z22650, U14711, U14712, AF077058, U14689, AF015158, AF015170, M87918, Z49816, AF015168, AF015169, AC005385, AP001038, AC004955, U14685, U14686, U14687, U14688, U14691, U14699, U14710, U95740, L35531, AC000951, AP000140, AF015166, AC002542, AC006344, A39972, Z98052, D26067, L81759, AP000088, AF134726, AC001530, Z68269, AC005887, AF146367, AL031577, AL031274, AC006128, AP000193, AC006049, U14692, U14702, U14707, AC004913, AF001552, Z81365, AC002377, U73684, AB023056, AL110150, AF165176, AP000311, AL022322, AC005156, Z74696, U02054, AC002492, X01471, I08362, AF090944, AL121603, AF124523, Z69921, K02043, AC004506, AP000117, AC001164, X79699, AC005682, AF036682, AF015160, S75337, AL024474, Z98750, AF015171, AP000954, X04981, AC004494, AL110292, AC004915, U50570, AC006487, U02048, AC005031, AC004866, X88791, I25678, AC008115, AP000513, AC004477, AL050338, AC004785, AC005401, AF126531, AL031720, AL031009, AL080242, AL031005, AL022326, L08835, AL096862, AC005015, AC005755, AL021878, AC007367, AC007055, AL136297, Z98257, AB023049, AF120990, AF196969, AF078904, AP000355, AC012384, AC006285, AF141976, AC005594, Z97183, AC006449, AL035458, AP000459, AL034452, Z73496, U80017, AL034420, AC002314, X74558, AP000958, AP000111, AP000043, AC005585, AP001037, U49740, Z84814, U14700, AC016025, AC004745, Z85997, AL049843, AC004990, AC007637, AC004150, AP001054, AC005356, AC002115, AC006539, AC002072, AC005086, AC003070, Z83819, X06123, AL023494, AC005484, Z98744, AC005911, AC004492, AF019114, AF010317, AL132777, U62317, AC004241, X60653, AC007774, AC005787, AC006030, AL049830, AC005765, Z93244, AL021069, AC004984, AC006063, AC004485, AF190465, AC004783, AL035460, Z98941, AC007392, AL110502, Z95113, AC005280, AP000365, AC005228, AL031120, AP000349, AC005754, AC000080, AL049836, and AC004263.					
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HCWBG77	805	529229	1 - 279	15 - 293	
HCWBG91	806	789318	1 - 118	15 - 132	AA528467, AI865264, and AI267855.
HCWBI17	807	954153	1 - 171	15 - 185	AC002316.
HCWBI24	808	529211	1 - 112	15 - 126	
HCWBI37	809	967717	1 - 335	15 - 349	
HCWBI53	810	934909	1 - 375	15 - 389	
HCWBI77	811	529238	1 - 217	15 - 231	
HCWBI90	812	921653	1 - 342	15 - 356	
HCWBI02	813	917300	1 - 408	15 - 422	
HCWBI27	814	784524	1 - 128	15 - 142	
HCWBI61	815	849967	1 - 320	15 - 334	
HCWBI66	816	529228	1 - 87	15 - 101	AL022328.
HCWBI75	817	935579	1 - 470	15 - 484	AI809175, TS3160, TS3159, AA284460, AA995373, AI355246, AI634377, AI926393, AW089625, AA846923, AW008184, AA226356, AI283938, AI366180, AW272815, R67701, AI357762, AI434653, AA856815, W45274, N66775, AA084504, F35684, AI690379, AW104161, AI697239, AA526643, AI697242, AA558366, AI697235, AA535216, AA484022, AA555232, AA714110, AI473671, AW192419, AI869797, AI961983, AA584756, AI417469, AI859906, AA568314, AI753904, AI568376, AW419389, AA728874, AI927275, AA838161, AI932871, AL041375, AI800426, AI281818, AI431513, AA655037, AA181917, AI817658, AA558404, AA613850, AI678581, AI370170, AW020150, AI521525, AI689198, AA654464, AI537368, AI858889, AA582746, AI053398, AA491423, AW303872, H71678, AI687972, AA297961, AW249660, AA290570, AI299442, AA610433, AI538236, AW265688, AA581240, F09357, AA601712, AI270647, W72860, AI888298, AI491765, AA642809, AW028950, AA515048, AW238341, AA115865, F30158, AW019964, T47138, AI926102, AA488687, AI612724, AI476460, AA523695, AA814503, AC005274, AC008072, AC002316, AC003663, AC004139, AC004884, AC012384, AC005288, AL022165, AC005291, AC005082, AC002554, AL008718, AL022162, AP000466, AC002504, AL035587, AC002430, AL035460, AL049776, AC007298, AC005914, Z82203, AC007384, AC005369, AC002404, AL135960, AI131016, AC003687, AC003046, AC007536, AC002302, AL109827, AC005046, AP000156, AC004448, AP000501, AC007055, AC002378, AC004242, Z93023, AL049539, AC006312, AP000555, AC008040, AL133312, AL109653, AC005393, Z98304, AC005280, AL049780, AL133448, AP000033, AC004263, AC006011, AL049872, AL031055, AL022163, AC006441, U78027, AL133245, Y18000, AL109984, Z84474, AL022398, AL031777, AL035422, AC005624, AL022319, AC004882, AL035405, Z93241, AL031005, AC002477, L43411, AL031293, AL031121, AF178030, AC005058, AC004841, Z98048, Y10196, AL109618, AC004801, AF222686, AJ246003, AC006581, AC007151, AP000014, AC004686, AC005920, AL133275, AL049576, AC003108, AL132718, AC004706, AL022318, AC005529, AL133500, AC005952, Z98044, AC004887.

HCWBJ81 HCWBJ86 HCWBL38	818	849977	1 - 165	15 - 179	AC006023, AC005516, AC002492, AC005377, AC004655, AC004953, AL078638, AL031427, AC005932, AC000029, AC005859, AC003043, AC005971, AL031678, U07563, D87675, AC005066, AL121603, AC003690, AP000704, AC007263, AC004692, AC005620, AL049697, AL031662, AF038458, AL021917, AC007666, AL022322, AL009181, AC007731, AC007785, AP000121, AP000053, AP000168, AL117338, AC002116, AL034408, AL034376, AC005500, AL109839, X06292, AC005164, AC005229, AC006061, AC002310, AC002476, AC007388, AL022721, AC006473, Z83846, AC003661, AP000226, AC005800, AC005031, AC006084, AP000087, AF124523, AC004913, U85195, Z83844, AL035694, AF118808, AC005332, AL049793, AL021579, AE000658, AC005015, AC007216, U47924, AC004999, U80017, AC012627, AP000049, AP000116, AL122020, AL035684, AC005519, AC006511, AC003004, AC005736, AC002312, AC004150, Z98884, AL031587, AP000493, AC009731, AC005005, AC008101, AL049838, AC016831, AP000084, Z95116, AL022323, AC006370, AP000311, AC005209, AC005632, AC000085, AC002350, AC005722, AL021707, AL096763, AC004964, AF001549, AL080243, AL021918, AC002119, AL049869, AC005057, AF048729, AP000088, AC004787, AC005201, AC003041, AC007690, AC008126, AL034423, AL049743, AC004103, AC007421, AL035420, AC007324, AL021546, AC005231, Z99716, AC003029, AC005486, AB023049, AC005420, AC007324, AL021546, AC005231, Z99716, AC003029, AC005486, AP000552, AC004386, AP000359, AL031311, U91321, and AL049834.
	819	719521	1 - 380	15 - 394	
	820	935481	1 - 336	15 - 350	AA373861, AI381490, AW128881, AA554659, F01222, AI049701, AA496309, AA888638, AA757869, AI354333, AA661883, AA298192, AA225358, AW080215, AW022897, AW132097, T30864, AL035893, AW277135, AA295874, AA295865, AI866971, AA206594, AI146266, AW249720, AI889426, AW410481, T94592, N24836, AA352521, AC004139, AL031667, AC005880, AC006077, AC004933, AC006463, Z84487, AC005060, AL035079, Z98884, AL023798, AC002425, D63861, AC004500, Z98941, AL021391, U62292, AC005828, AL049779, AC008928, AC005332, AP000065, U63721, AC016027, AF027390, AL035658, AC016830, AC005102, AC004884, AC002310, AC006312, AL031283, AC008101, AP000305, AL031407, AC005523, AL031276, AC005231, AL132712, Z98946, AC002477, AC005972, AC006965, AP000053, AP000168, AL109628, AC005899, AP000047, AP000326, AC005763, AC006509, AC008009, AP000501, AL096808, X14278, AL049643, AP000054, AP000169, U47654, AP000324, AL109801, AC008372, AC009501, AC005755, D87675, AL109627, AP000513, AP000115, AC005877, AC007011, AC005280, Z76735, AC007285, AP000116, AC005375, AB023049, AC006057, AL035685, AC005071, AC005300, AC004985, AC007869, AF064756, AC004738, AC016026, AC005291, U91323, AC002107, AL023553, AC004491, Z99570, Z93241, AC018769, AC006254, AC007172, AC004975, AL035249, Z93017, AC005261, AC006441, AF003529, AC005028, AC004230, AC004973, Z85996, AC005666, AC005295, Z82206,

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HCWBL41	821	666457	1 - 372	15 - 386		R20206, T82390, T48770, AL039515, W07542, AA757646, N54937, H82873, AA847341, AA525156, AI791408, AI791720, AI049999, U91323, AC007546, AC005354, Z98946, AC004983, Z84474, AC006344, AB001523, AL031311, AC006354, AP001054, U70065, AC005696, AC002492, AC004771, AC003006, Z84480, AC006064, AL035086, AP001052, AC004914, AC007421, AF053356, AC004825, AL031577, AC005089, AL031587, AF007876, AC006512, U91327, Z61071, AC005529, AC005839, AC004797, AC002077, U78027, Z85987, AF165926, AC005288, AC004383, AC006332, AP000133, AP000211, Z86090, AF196972, AC004692, AC004674, AL049776, AL035422, AL049795, AC004883, AL008731, Z97987, AC004967, AC005746, AF023268, AC005372, U45945, M81181, AC004638, Z82190, AC005527, and AL133448.
HCWBM04	822	861842	1 - 329	15 - 343		AC002464, Z85999, AF002223, AP000033, AC004253, AP000102, AP000260, and Z97196.
HCWBM50	823	577712	1 - 347	15 - 361		
HCWBM95	824	849932	1 - 386	15 - 400		
HCWBN06	825	924638	1 - 360	15 - 374		
HCWBO10	826	842038	1 - 331	15 - 345		
HCWBO23	827	964590	1 - 165	15 - 179		AC007130.
HCWBO94	828	574861	1 - 361	15 - 375		AC007162, and AC005212.
HCWBP27	829	684336	1 - 317	15 - 331		AF205588, and AL024498.
HCWBP56	830	733662	1 - 303	15 - 317		AW022796, AA847341, AW023390, AI308529, AI554399, AW029626, AI888050, AL119063, AI307563, AI520925, AI475294, AA358531, AA496941, AA935827, AA687084, AI076729, AA419014, AI002863, AI446574, AI867012, AI571894, AA661554, AI798521, AI571094, AW070901, AI860648, AA084320, AA525156, AA768179, AW129188, AA632355, AI752977, AA218684, AA581317, AI049680, AA446931, AI196994, AI805699, AA834891, AI805373, H05066, AA761454, AA171400, H24331, T52366, AW338376, AI805556, AI890297, AA419107, AW131109, AW190437, AI734076, AI732102, AI732101, H23238, AI734075, AA828840, AA551548, AI445338, AI572680, AA749196, AI124558, T07943, AA772818, AI802268, AA873661, AA484191, AA524846, N55076, AA832108, AI003086, N59248, AA436949, AI343808, AI149177, W27084, AI570067, R79396, AA496042, AI363336, AA428991, AI000314, AI361401, AI174827, AI202777, AI114645, AA385652, AW362702, AI207534, AI668566, AI921744, AA513916, AA420703, AA225566, AA225494, AI446618, AA632556, AI434103,

HCWBP70	831	757467	1 - 370	15 - 384	<p> AA229030, T47075, AA363957, AI733523, T03613, AA778580, H94598, AI884404, AI049504, AA584360, AA632765, AI961264, AI354377, AL038533, AI471467, AW169469, AA078830, AI925812, H59797, AI281622, AL137946, AA018258, H64884, H64858, W04260, AA551030, H59856, AA736713, AA469230, AA743995, AA745336, AA364147, H87818, AW007424, AL133448, AL049869, AC005755, AC005377, AC005837, AC005911, AC006163, AF139813, AC005412, AC003108, AC002316, AC005808, AC004228, AB023048, AC006449, AC005543, U82828, AC004081, AC007566, AL031284, AF038458, AL096701, AC005520, AC005225, AL022238, AL035658, AC005280, AL109758, U91323, AF001549, AC004851, AC005787, AC005516, AC007938, AC004884, AC007011, AC004812, AD001502, L78833, AP000510, AC006261, AP000692, AC005046, AL133246, U80017, AC004686, Z84721, AC007388, AC005932, AL022316, AC004067, AC005632, AC004985, AC005488, AC002331, AC002369, AC005971, AC005772, AC004991, AC007066, AC002350, AC005102, AL034431, AC005031, AC006948, AC005484, AP000511, AC006088, AL023883, AC004938, AC006946, AL031589, AC002465, AC004447, AL117258, AP000355, AC005104, AC004638, AC006064, AL132712, AC005406, AC005553, AC005071, AC004999, AC009509, Z95113, AC007014, AC005181, Z95703, AC010077, AL049745, AC007666, AC005530, AC005089, AL049569, AL079342, AL031311, AL022322, AC004816, AL009179, AL049778, AC000353, AL080243, AC005324, AC007688, U89337, AJ229041, AL031296, AC003689, AC006062, D87675, AL121603, AL049839, AL133371, AL049694, Z83822, AC007546, AL021453, AL050317, AC007462, AC007314, AC007312, AC005409, AL031282, AC007227, AC005846, AC003025, AC006487, AC007676, AL020997, AC004032, AC005600, AC006441, AL008716, AC004099, AC005399, AF152365, AL031681, AL031291, AC000070, AC003006, AL122020, AC002543, U91326, AC002079, AC002563, AL035458, AL050318, AP000089, AP000141, AC005375, AC007877, AL137100, AC002073, AL023880, Z98950, AC006315, AC006512, AL033397, AC005355, AC005529, AC005803, AL021578, AC002044, AC003992, AC006166, AC005730, AL109798, AL031985, AL049757, AC006075, AF165926, AC006509, AC006539, AL135960, AJ131016, AC004968, AC005694, AL132826, AC005663, AL035072, Z99716, AC005206, AC006116, AC020663, AC002530, AC005533, AC004491, AF030453, AL049646, AL033521, AC009396, AC003688, AL031666, AC005821, AP000152, AP000065, AC009247, AL035086, AB023051, AC003086, AC002059, AL021394, U91322, AL096791, L44140, U47924, AC006597, AC005667, AL136295, AC007201, AC007632, AC000105, AC005779, AC005088, Z75407, AL049780, AP000035, AF011889, AL139054, AL008635, AL035587, AC004494, AC007055, AC004020, AC008984, AB019441, AC004226, AL031587, AF109907, AC006101, AC005326, AB023049, AC004695, Z97876, AC008012, AC005915, U66059, AC003007, AC006014, AC005666, AP000512, and AC005255. </p>
HCWBP70	831	757467	1 - 370	15 - 384	<p> AC004934, AC005668, AC007529, AC003102, AP000142, AP000089, AC005200, AL133243, AL031117, D87675, L35671, AF135187, AC005612, AC004140, AC004966, and AL050307. </p>

HCWBP74	832	765881	1 - 319	15 - 333	R59942, AC002301, AP000045, AP000113, AC005399, AC007327, AP000510, Z84469, AC004520, AL13163, AL035079, AC006163, AC004032, AB023048, AL031311, AC003030, AC005081, AC006461, AC004938, AC005015, AC003010, and L44140.
HCWBP85	833	849969	1 - 365	15 - 379	AA564671, AC002045, AC002039, AC002544, and U91326.
HCWBQ03	834	920886	1 - 330	15 - 344	
HCWBQ36	835	557873	1 - 324	15 - 338	
HCWBQ70	836	706526	1 - 373	15 - 387	
HCWBQ74	837	526537	1 - 356	15 - 370	AW242031, AW340905, AL039309, AI446336, AA018923, R33091, AA224525, H40324, AA012829, AL042310, AW029251, N30205, AA689351, H56703, AW440368, N41775, AA825185, AI679221, AA827096, AA609826, AI307565, AI271762, AC004814, AL049653, U91326, AC004777, AF047825, AC005231, AC006236, L78810, AC004000, AC007435, AL049569, AC005332, Z85987, AC002996, Z84480, AL133245, AL022336, AC005899, AC005519, AP000501, Z98742, Z97630, AL022163, AC002312, AC005527, Z98941, AC004216, AC002470, AL022313, AC009516, AL080243, AC005031, AC004686, Z85986, AL020993, AP000116, AL031284, AC006057, AC004832, AL031666, AC005180, AP000512, Z97196, AC003101, AL136295, AC005520, AL033392, AC006480, Z98304, AC005015, AC005745, AC006344, AL022721, AC004890, AC002365, AL023575, AL109839, AC009946, AC004019, AL031680, AC003950, D86995, AF207550, AF045555, AC005844, AC006285, AC006530, AC005529, AC006468, AC020663, AC003108, AC005921, AL117344, AC005037, AC007225, AF053356, Z98743, AC005207, AL121652, AJ003147, AP000558, AC007216, AC005086, AD000092, AC004884, AP000117, AC004854, U96629, AC004841, AL021392, AP000050, AC006211, Z86090, U29953, AC005555, AC005944, AC007421, AC008372, AC004752, AC007277, AF196969, AC005102, Z93241, AP000555, AC005081, AL022316, AC008044, U62292, AL109657, AC004882, AC005412, AC005399, AC005081, AL022316, AC008044, U62292, AL109657, AC004882, AC006111, AC002477, AF111168, AC005512, AC002301, L47234, AL132712, AC005071, AF196971, AL035086, AC004491, AC005702, AC002544, AL096701, AC006538, AC007993, AC005305, AC004659, AC005695, AC006965, AC004492, AC005619, Z97183, AF205588, AC000134, AC007283, AL049843, U52112, AC004447, U91321, AC007546, AL109963, AL139054, AL117330, AF003626, AL021154, AL035659, AC005747, AC005225, AC005924, AL022165, AL049759, AC004859, AC005409, AL122020, AC004985, AC003982, AP000556, Z95114, AL035587, AC002375, AC005274, AC005089, AC005725, AL049694, AC007687, AC004099, AC005058, AP000690, Z83844, Z99755, AP000689, AF015416, U91322, Z99128, AC003041, AC002316, AC004878, AL021391, AC006257, AC003098, AL049780, AC005082, AL022311, AC006487, AL096791, AL009181, AC007226, AF165926, AC005914, AC003009, AL050308, AC002072, AP000952, AL024474, AC005778, AJ246003, AC002314, AC004638, AL034417, AC007774, AL031007, AL121658, AC005046, AL133371, AC005971, AC003042, AL050318, AC004887, AL021878, AP000300, U34879, AC004552, Z98752, AC007055,

HCWBQ88	838	527694	1 - 310	15 - 324	AC004167, and AF196779.
HCWBR06	839	527692	1 - 424	15 - 438	AA234213, AL078621, and Y13478.
HCWBR89	840	967726	1 - 401	15 - 415	
HCWBS66	841	574850	1 - 120	15 - 134	AA912663.
HCWBS67	842	842037	1 - 370	15 - 384	<p>AI281474, AI187148, AI050076, D44899, AA446645, AI609972, AA653139, AA584765, AI624067, AA342238, AA526643, AA598738, AA805029, F24745, AA456149, AA568314, AA193205, AI090334, H28545, AI358542, AA302661, AA648605, AA570441, AA482928, T71936, AW083706, AA225630, AA808998, AA383937, AI494417, AW419389, AA847099, AL119010, AA112924, AA020788, F30650, AI283938, AA443727, AA425924, AI354333, AL134278, AW167330, AW051288, AI366555, H25302, H67064, AI620415, AI858889, AA525407, AI636734, N73060, AA664126, AI955873, X69907, AC004893, AP000501, AP000103, AC004106, AL031281, AL035405, AC005089, AL049694, Z99128, Z97056, AP000269, AP000555, AC007435, AC004217, AC008126, AC003041, AC006965, AL035658, AF049895, AF111168, Z82244, AL049830, AF002223, AL031905, S42653, AL035458, AC004985, AL031432, AC007993, AC004526, AL033527, AL022336, AC004843, AL035079, AC004805, AC005755, AL034549, AL139165, AC002565, AF047825, AC005261, AF196969, AC007685, Z95152, AC006966, AL031685, AL079295, Z83309, AL009172, AL031589, AC005913, AC005535, AL031673, AL049872, AL033518, AC005874, AF134471, AC005479, L78810, AC005828, AL078638, AC005924, AC005372, AB023048, AC004859, AC006026, AF207550, AC005901, AE000658, AC004491, AC002477, AC005632, AC007308, Z93017, AL049591, AP000300, AC006121, AL008718, AF134726, AC005933, AL096701, Z81369, AL096766, AP000032, AP000113, AP000045, AC003956, AC007225, Z99716, Z82190, AC005921, L05367, AC007358, AC002073, AL031777, AC006001, AL035659, AC007298, AC008064, AC004148, AL031657, AC002470, AC006023, AC009516, AC004973, AC007216, AL133246, AC005231, AL049569, AL050348, AC005881, AC002994, AC004584, AL031120, AC006487, AC005531, AC007386, AC002314, AC006449, AC005520, AP000040, AC003982, AL022238, Z94056, AC002425, AC005233, AC002045, AL031291, U95743, AC005409, AC004522, AC005082, AC004531, AC004841, AC004821, AC004884, AL031289, D87675, AL008730, AP000355, AC007192, AC005328, AL035530, U85195, AC006344, AC006146, AC006239, AC005914, AL034371, AC020663, AL109801, AC007276, AC006088, AC005740, AC006050, AL080243, AC003071, AL022316, AC005971, AC000353, AC000070, Z94801, AC007327, AC004024, AC007237, AL035071, U91326, AC004983, AC005821, AC010205, AC005696, AC005014, AL133243, AC004223, AL022323, Z83838, AC000159, AL022322, AJ010770, AC006960, AL049776, AL049636, AC005730, AL109984, AL050307, AC006241, AC002350, AC006505, AC004762, AL121934, AC005220, AC002347, AL009181, AL049589, U91318, Z84469, AC006581, AC005015, AC006509, AC006299, AL024507, I34294, U95741,</p>

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HCWBS96	843	954028	1 - 464	15 - 478		
HCWBT30	844	523249	1 - 340	15 - 354		
HCWBT31	845	720016	1 - 283	15 - 297		AA897291.
HCWBT48	846	527676	1 - 139	15 - 153		
HCWBT86	847	927506	1 - 316	15 - 330		
HCWBU09	848	527562	1 - 279	15 - 293		
HCWBU24	849	861864	1 - 371	15 - 385		
HCWBU49	850	850014	1 - 402	15 - 416		AL118817, AA425283, AI360368, N27737, AI224583, N62478, AI567976, AI446424, AA493464, AI753131, AA506544, AW085751, AW270287, AA659303, AA330435, AL119123, AI355572, AA595661, AL048969, AI690379, AA515165, AW169183, AI310670, AI754064, AW409621, AI349130, AA372958, AI038990, AA524604, AW086015, AA489390, AL042731, AA382435, AA662982, AI751698, AL134338, AA631915, AI744890, AI540319, AL044438, AA862218, AL039436, AA630476, AI935827, AA640305, AL042336, R43468, AL044458, AA648942, AA280886, AI014872, H05742, AI439525, AA181705, AW084152, AI174703, AA720594, N73337, AA369494, AA167178, AF114095, AW275788, AA303588, AD000092, AC002433, AC005081, AC004477, AL031228, AL021391, AL096791, AC005048, AC005516, AC005004, AF129756, Z97056, AP000359, AL035422, AF217403, AC005664, AC006479, Z82208, AL035420, AC005546, AC009336, AC006547, AL133448, Z82244, AC004686, U78027, AL022313, AC007057, AL049872, AC006581, AL021393, AP000505, AC007021, L78810, AC007242, AC002551, AL035413, AL035682, AL139054, AL121769, AC004099, AF195658, AC005301, AC003969, AC007055, AC007686, AL049709, AL035603, AC007093, AC000007, AL031122, AC005828, Z98048, AC002476, AC005726, AC007397, AC004000, AL136295, AC005519, AC002985, AC000075, AL049539, AC004772, AB014079, AL031587, AP000514, AC007535, U91318, L44140, AP000133, AP000211, U91325, AL078639, AC005670, AP000961, AC006530, AC002126, AC004159, AC004921, Z79488, AC003109, AC007436, AC005907, U47924, AP000140, AL078581, AC003042, AC005391, AL031281, AC005821, AC012330, Z93017, AC004805, AC004802, AP000280, Z15025, AC005808, U71148, U91327, AC004998, AL008718, AC004973, AL122020, U91326, Z84466, AF111168, AL022476, AL049780, AP000088, AF015416, AC006511, AL078471, AP000107, AP000039, AL133312, AL034395, Z84497, AC007546, AF030876, AC009946, AC005082, AL021308, Z93244, AC005261, AC007993, AL132799, AC010077, AL031774, AL031282, AC005751, AC005694, AF196779, L78833, AL024507, U73647, AC004929, AL096763, AC005215, AL050323, AL035494, AP000124, AP000056, AP000171, AC004522, AC005089, Y14768, AC003102, AC007785,

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HCWBU72	851	668350	1 - 540	15 - 554	AL042853, AA503947, AA349854, F33121, AA366035, AA369477, AA318652, AA513999, AA508509, AA846981, AA341228, F19258, AA657458, F29989, W07032, AA559290, AA483034, AA724230, AI284583, AI358229, AA558697, N66067, AA310158, AA878495, AA363501, AA662974, AA515435, AI365988, AW406755, AI921188, AA371568, AA364193, AA723017, T66105, AW193546, AW339687, F36373, AA658235, AA557879, AI635272, F26152, AA780929, F36273, AA737154, AL120502, T07346, AA683037, AW270270, H58672, AA828680, T40077, AA828826, AA747620, AW008317, AI866908, R40625, AI457397, AI432713, AA580889, AL137954, AI357288, N41759, AL036854, AA092739, F24284, AA345333, H77900, AA932099, AA618002, C05986, AL079843, AL118911, C17838, AI745325, AI623898, AI246119, AA626747, AI431688, AA065087, R44592, AA301813, AI565245, AA662017, AW089789, AA313016, AL037554, AI439360, AA372106, AA654322, AA148489, AI284640, AI688928, AA159978, RI13151, AA639270, T25706, AW193295, AW338086, AL041382, AI955323, T29180, AI624698, AA339187, AI792864, AI818620, Z97053, AP001053, AC007285, AL022717, AL021918, AL121934, AC005632, AL121658, AL031736, AC007536, AL109799, AL049757, AC005215, AL022318, AP000034, AP000101, AL008629, AL034548, AC005803, AL133312, AC004740, AP000301, AP000045, AP000113, AL035413, AC004010, AL078602, AF039906, AL117328, AF055066, Z82182, AL121603, Z75890, L78833, AP000141, AP000089, AC004884, AC004066, AP000264, AL035684, AC008115, AL023281, AC005180, AC007283, AC007312, AL021939, AB023049, AC004600, AC000353, AL020993, AC004890, AC004712, AC007773, X77531, D87675, AP000512, AC006049, AC004049, AC005015, AL109984, AP000692, S78429, L44140, AP000031, AC005856, AC002377, U47924, AC004496, AC006449, AC005722, AC004470, AL031664, AL022394, AC008109, AL023803, AC004259, AC007461, AP000230, D83737, AP000144, AL008636, Y10196, AC006965, AC008984, U82668, AL049776, AL109939, AP000555, U96409, AL031650, AF190465, M87918, AF109907, AC004941, AC005911, AP000431, AL035448, AC004797, AC002485, AC006312, AC005399, AF108083, U95740, Z98950, AP000352, AP000252, AP000350, AC002316, AL035410, AC007848, AL109628, AC007666, AC004019, AC005625, AC005324, AC005944, AC005081, AC005829, AC020663, AC005696, AL121915, AL035415, Z99756, AC000052, AC002996, AC006071, U75931, AC004466, AL049874, AC005225, AL035461, AC005251, AL049872, AC005332, AL110292,
HCWBU72	851	668350	1 - 540	15 - 554	
HCWBU72	852	746335	1 - 366	15 - 380	

HCWBV51	853	725889	1 - 315	15 - 329	<p>Z98742, AC006552, AC016026, AC006285, AC004087, AC000067, AC005355, AC005799, AC005486, AB023051, AL133448, Z84718, AF067844, AC005184, AC004542, AC004477, AC012085, AC005998, AC016025, Z82185, AC006088, AC005208, AF044083, AL049829, AC005204, AC007226, D16583, U66059, AC004913, AP000134, AP000212, AC004020, AL031591, AP000194, AL035464, AC007537, AL079305, AL008582, AL080243, AL033376, AC000085, AC002558, AP000048, AC005703, AC005071, AC005370, AC000120, AL031733, U18400, M37551, L47234, AL035455, AL021786, AP000088, AC006077, AL132992, AL031283, AC004834, AC005212, AC004933, AC004703, AC002349, Z82244, AP000351, Z86062, AP000556, AP000557, AC007563, AC004902, AC005231, AL049712, AP000553, AC006149, and AF111168.</p> <p>F00252, AL134669, AW328050, AI500151, M77984, AI590442, AA533653, AA094109, AA298531, AI8332674, AA601376, AI821892, AA380324, AI355414, AA640519, H53169, AW029299, AA655026, AA693484, AI053673, AA601908, H86105, AA621838, N23229, C14262, AL133668, AI818067, AC006023, AC006312, AC005049, AL080243, AC012384, AL078638, AL049829, AL023575, AC005081, AC004854, AC005363, AL049539, AL034420, AC005740, AC006285, AL049759, AL133246, AC007546, AL135744, AC004841, Z83846, AC005914, Z93023, AL031670, AC010206, AC007686, AC005180, AL133163, AL024498, U07563, AL049553, AC005736, AC002565, AP000114, AP000046, U80017, AC005697, AC003982, AC005759, AC005822, AF165926, AF196779, AL049636, AC003663, Z82176, AC002395, AC006453, U95090, AC002394, AC006071, AC005730, AC005004, Z84469, AL031591, AC005703, AC003104, AF109907, AC004659, AC004125, AC005082, AC005231, AL022165, AL031848, AC006241, AC007842, U91326, AC010205, AP000697, AC005231, AL022165, AC003101, AL034379, AF129756, AC004383, Z95113, AC002310, Z93241, AC002306, AC005015, AL008718, AC005005, AP000248, AC004655, AC005512, AC004966, AC005846, AC005971, AC007277, AC004148, AC005821, AF053356, AC002350, AC016027, AC004019, AC004999, AC005829, AC005399, Z95331, AL021391, AL031427, AP000032, AL096791, AC004821, Z82184, AC004656, AL021917, U47924, AB003151, AC004686, AC007312, AC005722, AC002091, AC005746, AC002558, AF111169, AC007055, AC009247, AL049591, D87675, AC002544, Z75887, AC008044, AL050321, AC004032, AF047825, AC005409, AL021578, AC007690, U95742, AC004477, AC004765, AC004526, AC004967, AL022312, AC005531, Z98200, AC002425, AL109758, AC004765, AC004526, AC004967, AL022312, AC005531, AC002347, AC005696, AC007057, AC000082, AL031287, AC005592, AC004858, AP000010, AC006275, AC004883, AC006480, AC007052, AL080245, AC007731, AL035458, AL139054, AC016830, AC005332, AC005288, AC004253, AC004797, AC007666, AL008582, Z85986, Z93020, AJ246003, AP000553, AL080242, AC005500, AC005529, Z84476, AC004914, AC007225, AL031311, AP000555, AC005189, AC002316, AL022336, AC006130, AC005057, AP000089, AC002476, AC004813, AC005482, AC006538, AL023553, Z84480, AC005922,</p>
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HCWBV96	854	796584	1 - 396	15 - 410	AA554392, and AA372426.
HCWBX63	855	527081	1 - 117	15 - 131	
HCWBX65	856	970694	1 - 164	15 - 178	AW104748, AA280632, AA655004, R67365, W85752, AA557970, R95704, H05073, AA552726, T78484, AA806734, AA515051, AA461317, AA569743, R84309, AA604497, AA633266, AA774184, AA158328, R84303, R83929, H02135, W80462, AA160481, N40815, R69255, AA084337, AA130658, AA196796, R52163, AA720548, H80357, H73704, H86860, H02877, T94075, H64778, AA620464, H48636, W56203, R50087, AA483223, N71724, N57890, W16581, R92288, AA158301, AA171416, AA578251, AA858197, R66878, R84296, AA161083, R47822, R93576, W95939, A1191227, N87661, AA628602, AA721981, N20219, AA522942, AA810370, AA679009, AA602528, H80373, H80386, N53573, AA938225, AA190895, N70442, AA584751, AA159974, T49241, T71030, AA469021, AA601499, AA578017, AA020729, AA047296, AA669634, AA558616, AA112299, R32415, R41717, H79297, AA342914, AA644538, AA650271, R97634, AA527958, AA583394, AA634145, T53128, R91159, AA639248, R67504, T97558, AA521355, AA864983, AA126777, AA574110, H68999, H79151, AA773176, AA167643, AA664015, AA204718, AA721599, AA335972, R89511, AA224129, H11124, H49061, AA169194, W74484, T16056, AA459379, AA173071, AA824654, H08496, N25296, AA582911, AA873560, AA524838, AL133723, T92445, AA137017, F10924, AA663486, AA693484, AW402067, AA205915, H64805, AA226153, AA199616, AL035604, AC005900, AC000355, Z84718, AL035416, AP000351, AC004067, AC004804, AL033521, AJ006996, AL022165, Z97876, AC010072, AC003029, Z98304, AL096770, AP001170, AC006039, AC003024, Z92543, AC007406, AP001068, AC004531, Z83313, AC005162, AC007050, AC005535, AL031294, AC004949, AF146191, AC005823, AC006946, AC007751, Z73361, AL034451, AL132766, Z84487, AJ011930, AC007541, AC002454, AL035695, AL035415, AL109733, AP000049, Z99716, AP000352, Z98950, AL136363, AC008064, AC004626, AC004453, AP000354, AP000311, AP000355, AC005327, AC004051, Z84467, AC006026, AC003686, AC007842, AL022097, AL121823, AC002488, Z86061, AC008179, AL008710, AC002412, AJ006998, AE000659, AL049554, AC007252, AL132985, AL078477, AC005541, Z84719, AL031904, AC006975, AC004996, AC004158, Z95118, AC007993, AC006369, AP000949, AC006115, AF047825, AP000515, AL035252, AL049844, AL049550, AL122023, AC005737, AL049838, AC004024, AC004451, AC004140, AC007277, AC006120, AC007065, AC005597, AL035422, AC003082, AC006031, AC004059, AC002449, AL078621, AL109854, AC006352, AL022069, AC000047, AL031446, AC003973, AL096862, AB019437, AL021397, AL121892, Z98255, AC004994, AC009225, AL118497, Z82205, AC009288, Z84470, AC004842,

HCWBX67	857	506730	1 - 508	15 - 522	AC003692, AC006397, AP000552, AC006152, AC010849, AL117351, AC004057, AC006984, AC004385, AP000023, AP000506, AC005342, Y10196, AC005871, Z81365, AL008709, AL080239, AC007363, AL031654, AC002403, AC007533, AL050333, AC007159, AL109656, AL050308, AF064866, AC004208, AC004081, AC005393, AL049565, AC006062, AL033397, AP000014, Z98051, AC002430, AC007617, AC006213, AF064862, AL021997, AC006227, AF064865, AC002524, AC005962, AC006071, AC009514, AC007384, AC002429, AF055066, AC004988, AB000882, AC004761, AC005768, AC004467, AC004459, U91323, AF164343, AC005516, AC018633, AC006487, AL109758, Z98941, AC006288, AC004830, Z98172, AC000100, AC006195, AC010349, AC002499, AL031012, AL022322, AC002056, AC005863, AL024497, AC004629, AC002381, AC004745, AC006270, Z94055, AL109753, and AC004889.
HCWBX75	858	767491	1 - 121	15 - 135	
HCWBZ78	859	706521	1 - 473	15 - 487	AL050322.
HCWCA51	860	849923	1 - 499	15 - 513	AC002395.
HCWCB37	861	527683	1 - 399	15 - 413	AF150189, AF150193, and AF150184.
HCWCB80	862	529234	1 - 210	15 - 224	
HCWCB89	863	542340	1 - 175	15 - 189	
HCWCC62	864	967306	1 - 386	15 - 400	
HCWCC77	865	527077	1 - 278	15 - 292	
HCWCC82	866	705347	1 - 393	15 - 407	
HCWCE02	867	849968	1 - 312	15 - 326	AL266137, AA446645, AA364006, AA689351, AW419126, AA365520, AA642464, AA223999, AA502207, AA526099, AW192199, H62778, AA805848, AA493464, AA525807, AI885896, AA603323, T67090, AA487209, AI272052, AA971196, W45205, AA228368, AA593471, H81270, AA527633, AA584655, AA485482, AA468505, F13749, AA468371, AA715173, AA715075, AA581895, H15241, AA302763, AA084609, AW028376, F25301, AA824484, AA552809, AI245693, AW089952, AI277211, AA630947, AW188742, AA296614, T65951, H91047, AA583728, S42653, AC004408, AC007136, M87914, AC005859, AC009247, AL135744, AL133353, AL022336, AC004686, AL121915, AP000088, AC004106, AC005049, AC005209, Z86090, AF207550, AC005229, AC002045, AC004975, AC004150, AF196972, AC002044, AC007450, AL049760, AC005484, AP000066, AC006130, AC004999, AC007880, AL022316, AC009516, Z85996, AL096776, AF111168, AC000353, U91321, AC004125, AL031659, AC004797, AL031589, AC006430, AL096791, U80017, AC006026, Z82217, AC002350, AF047825, AC005180, AC008033, AC005324, AP000096, Z94277, AF165926, AC004687, AC005006, D87675, AC004832, AP000252, AC002375, Z95152, AL049872, AP001053, AL035420, U91322, AF134726, AC007845, AC005619, Z84469, AC004673, AC003025, AC004491, AC006014, AL009173, AC002476, AC004813, AC000052, AC005412, AL035400, AC005971, AC007546, AL031681, AC006323, AL035638, Z94801, AC007226, AC004148,

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HCWCE21	868	523224	1 - 540	15 - 554	AA131704.
HCWCE35	869	706489	1 - 289	15 - 303	AW440424, N5515, A1025905, A1285493, A1683426, AL133906, AL133902, AA834670, A1446623, T70299, AC004983, AL035608, AC005800, AC006050, AF165926, AL031282, AF109907, AP000152, AC005354, X74984, AC004922, AF052051, AL049830, AF146367, AC003042, AF124523, AC005291, A1003147, U82668, AC006124, AC004890, AC002306, AC005288, AP000300, AP000549, AC006946, AL031666, AC005221, AC006197, AC004874, AP000113, and AP000045.
HCWCE63	870	527678	1 - 244	15 - 258	T96277, T96279, and AP000555.
HCWCE69	871	757800	1 - 284	15 - 298	
HCWCE71	872	932549	1 - 235	15 - 249	AI884861, N63755, AA586433, A1018726, A1624038, A1246061, AA341865, H71678, R48980, AW192648, AA317414, H81732, AA679353, AW088557, AA662614, AA054639, AW408396, H86579, AA063115, AA730488, AA371883, AA558404, A1367222, A1054090, AW069769, AA486877, W94450, N30205, A1360504, AA985199, AA077637, W42587, AA018923, A1249853, AA012829, A1284543, R87646, A1254770, A1251944, A1251034, A1251203, A1251284, R33091, A1250552, A1904944, AA303131, AA809011, AA206366, A1926597, R56810, A1459866, AA302660, H52397, AA304790, H53023, A1537800, H61871, AA774006, R19199, AA192731, H90032, A1251241, AL037006, W68328, H65213, A1223626, AW019964, AW303098, AA744095, H07953, T02817, AW265688, F23307, AA295893, A1903464, AA295899, A1369076, AW341741,

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HCWCE86	873	964648	1 - 389	15 - 403	AF070717, AF049895, AC002425, AL078644, AC004386, AC000353, AC004007, AC007192, AC002400, AC006064, AC002299, AC008067, and AC005756.
HCWCF04	874	615626	1 - 39	15 - 53	
HCWCF06	875	954580	1 - 204	15 - 218	
HCWCF91	876	527558	1 - 335	15 - 349	
HCWCF94	877	952684	1 - 536	15 - 550	
HCWCG31	878	527090	1 - 609	15 - 623	
HCWCG62	879	575336	1 - 320	15 - 334	T05617, AI523477, N38803, AI754567, AI754105, AI755214, AI298079, AI863279, AW023975, AA614139, AI860535, AA209436, AA363957, AL042373, AI279417, AI080732, AL038977, AI491755, AA582746, AI624234, AI267356, AA741301, AA489860, AI630894, AI078409, AI278211, AI560073, AI249688, AW316599, F29071, AI686563, AW373645, AA831638, AI038304, AA612578, AI356264, AI569100, AW192599, AI080307, AA832016, AA984543, T67090, AI583142, AA507990, AA311432, H40478, AW071109, AL134167, AL045476, AA995827, AW439703, AA702550, AC005399, AF038458, AL031121, AC012085, AC005014, AL031985, AC002994, Z83844, AR036572, U91328, AC003662, AC006449, AL121653, AC005839, AC007386, AC009501, AC004019, AF064857, AC005589, AF139813, U80017, Z82195, AC002395, AC004963, AC005015, AC006064, AC002094, AC005520, AL031005, AL049282, AC005529, AL022238, AL034429, AL024498, AC003025, AL049829, AC004882, AL034418, AL022331, AC006343, AL133382, X60459, AC003103, AC004986, AC004223, X64467, AL022400, AC004228, AC005018, Z75887, Z97056, AC006111, AP000555, AC010077, AC002492, AL133163, AC007207, AC007385, AL109842, AC004144, AC004131, U89337, AC000092, AP000692, AC005932, AL050318, Z82244, Y10196, AC004991, AC003108, AC006032, AC004664, AC007934, AL049779, AL049636, AC004033, AP000152, AP000011, AC004382, AC006930, AC005578, AL022328, AL035700, AC007731, AC006084, AC005500, AC005182, AC002477, AF049895, AC004644, AP000501, AC003007, AL031589, AL008715, U55184, AL008710, AL049576, AL022313, AC005102, AL049780, AC005017, AC002316, AC004016, AC006125, AL022476, AL031433, AC005482, AC007191, AP001137, AC005037, AL034402, AL035684, AC006292, AC005740, AC006101, AL121754, AC000134, AF053356, AL021546, AC009399, AC006597, AL049229, AC002422, AC004820, AC007536, AC005666, AC006130, AC005086, AL049872, AP001058, AC006480, AC005516, AC006238, AC007228, D86995, AC009363, AC007057, U95743, AF047825, Z98044, AC000353, AC006323, AC004804, AL049697, AC004805, AC003104, AC004876, AL033397, AC000159, AC005632, AF126403, AC007114, AP000359, AC002073, AL031274, A1003147, AC006531, U91321, AL031672,

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HCWCH01	880	920706	1 - 279	15 - 293	
HCWCH22	881	675011	1 - 132	15 - 146	
HCWCH45	882	577704	1 - 292	15 - 306	
HCWCI01	883	921586	1 - 437	15 - 451	
HCWCI38	884	556358	1 - 544	15 - 558	
HCWCI86	885	790718	1 - 147	15 - 161	AC004002, and L78810.
HCWCI85	886	529243	1 - 324	15 - 338	
HCWCL10	887	888992	1 - 466	15 - 480	
HCWCL62	888	715981	1 - 309	15 - 323	AP000277, AL022147, AP000037, and AP000105.
HCWCL67	889	751963	1 - 328	15 - 342	
HCWCM16	890	667392	1 - 231	15 - 245	AC004968, AF001552, and AC004876.
HCWCM65	891	529230	1 - 437	15 - 451	
HCWCM96	892	963564	1 - 225	15 - 239	
HCWCN25	893	518793	1 - 297	15 - 311	AA577748, F17700, AA703972, AA548087, A1446474, H05073, D56402, A1053786, T78484, A1890385, AA837677, A1979005, AA663966, A1254485, A1859834, AA077776, AA492399, AA721615, AA857296, AA663701, AA326410, AL118911, AA503168, AA536015, A1251111, H57826, AA357307, A1859946, N39097, A1538540, AA531554, AA972238, T94328, AA564561, H10143, R32200, R26134, A1633185, M78169, AW419081, A1671035, AW079809, AA515350, AW304531, A1623899, AA487542, R94288, AA297968, T92957, AA564145, AA828762, A1610644, A1291317, AA776552, A1151407, H94870, A1261913, AA148656, A1912514, AA526656, AA614010, AW337454, R91232, AA814510, AA837646, AA827978, AA360987, AA501614, AA235575, AA360996, AA572960, AL031685, U82828, AC008394, AC004854, AL078471, AC002543, AC002082, AC003029, AL035072, AC005971, AC006001, AF196969, AC002312, AC004386, AB023051, AP000512, AC004821, AC004996, AC003041, AC004231, AP000343, AC005740, AL049761, AL020997, AP000513, AC004930, AC004158, AC005519, AL121652, AL133246, AB001523, AC002351, AC020663, AP000330, AL008582, AC005914, U07000, AC002310, AL034420, Z99714, AL109653, AC007262, AP000215, AC004675, AC006257, AC004990, AC005696, AC006023, AC007055, AL033518, AC004883, Z95116.

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HCWCN40	894	835584	1 - 425	15 - 439	AL032822.
HCWCN45	895	723418	1 - 505	15 - 519	AC004098.
HCWCN61	896	924894	1 - 294	15 - 308	
HCWCN92	897	527088	1 - 419	15 - 433	AA716191, AL031432, and Z65992.
HCWCO02	898	920876	1 - 303	15 - 317	AA554430, AA528234, F16356, AC007263, Z86064, AL122023, AL008719, and AC002430.
HCWCO21	899	523225	1 - 145	15 - 159	
HCWCO35	900	706490	1 - 504	15 - 518	F30251, AA371410, AA831919, AA385775, AI929796, AW089625, AI345334, R70883, AI283938, AW008184, AA535216, R92658, F24272, R70884, AA610255, AI885465, AI884383, AI908508, AI908525, AI278801, AC004491, AC004448, AC005291, AL031121, AC007880, AC007193, AC003041, AC008372, AL049776, AF196969, AC005091, AC016830, AC005102, AC006449, AF042484, AC006013, AC005921, AL009181, AC006948, AC005180, AC004242, AC006023, AC007488, AC004659, AC002039, AC004891, AC005399, Z75744, AC004019, AL031733, AL031228, U95742, AC007216, AL035684, AC004087, AC005971, AL110502, AL049646, AL031289, AP000555, AC002425, AL096712, AC007226, AP000689, AL031311, AC005535, AC003663, AC005225, AC008041, AC005820, AC006530, AC002400, AL031588, AC005874, AF134471, Z95115, AL117355, AP000512, AC007056, AC004475, AC004913, L78810, Z83844, AC007690, AC006160, AC006277, AF109907, AC005803, AC005015, AC004686, AC004865, AB020865, AL121653, AC005668, AC005932, AC004921, AC004843, AC012627, AL078639, AC005839, AC005954, AC006441, U96629, AL022165, AC007386, AC004033, AL035413, AC006001, AC004142, AP000302, AC004859, AC009533, AC005736, AL132994, AC006285, AC005726, AC002094, AC007055, AD000092, AC005520, AP000500, AF111168, AC005081, U95740, AL121923, AL121825, U07000, AC002544, AC002470,

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HCWCO54	901	558274	1 - 368	15 - 382	N53621, AW302766, AA843874, AC007677, AP001136, AC009308, AL034377, AP000473, AC003669, Z84469, AC006948, AC007077, AL023799, AP000099, Z97198, AP000036, AL035686, Z68326, AC005341, AC007126, AP000262, AC002367, Z83313, AC009399, AC004806, AL022166, AC002066, AJ229041, AJ133269, AF020801, AF107885, AC007556, AC004597, AC005837, AC002527, and AL080239.
HCWCO63	902	557917	1 - 310	15 - 324	
HCWCO72	903	527546	1 - 296	15 - 310	AC005907.
HCWCO77	904	772515	1 - 99	15 - 113	
HCWCP68	905	573148	1 - 203	15 - 217	AA828573.
HCWCQ15	906	527688	1 - 312	15 - 326	AL008639.
HCWCQ48	907	531423	1 - 106	15 - 120	
HCWCQ95	908	723610	1 - 99	15 - 113	
HCWCR31	909	693632	1 - 656	15 - 670	N66690, AI200947, AI127410, AI932346, AW008872, C06101, and AA053116.
HCWCR64	910	526482	1 - 309	15 - 323	AW150387, AA533054, H71678, AA568314, AW419389, H72278, AI187148, F31811, AL040374, AI431513, AA605266, AA610433, AA904211, AA018923, AA513921, AW167154, AA468505, AA468371, AI880329, AA516320, AA809179, AI917132, AA056248, H67064, AA579278, AA493628, AA492524, AW002831, H72688, AI640411, AA605201, T74524, AA228368, AA721561, AW275699, AA742775, AA282951, AA862075, AI583291, AA365520, R74433, AA577141, AI635440, AA689351, N73060, H84412, H79453, AA515138, AI569401, AI366993, AI915293, AA526193, AA502098, AC004525, AC002303, AC007227, AL024507, AL021368, AC005088, AF196969, AF030453, AL034371, AL031905, U62317, U95743, AC004985, AC002565, M87889, U95741, AF053356, AC005971, AC004883, AL031657, AL022336, AC006079, U07000, AL049539, AL049780, AC008072, AC005841, AP000052, AP000120, AP000702, AF111168, AC002375, U02047, U91323, AC004815, AC004862, AC005828, AC004887, AC006241, AL031282, AC002352, AC006486, AC000004, AL096701, AC009516, AC004983, AL049569, AC006088, AL031056, L78810, Z84487, AC005244, AP000320, AC009464, AL049758, AL020997, AL049692, AC004448, AP000884, AC006285, AC003663, AC005899, AC004466, AC003085, AC005041, AF002223, AL031985, AL121769, AP000141, AL021918, Z98941, AC006965, AC005632, AL109801, AP000167, D87009, AC006449, Z95113, AP000553, AC004685, AC006117, Z95152, AL033527, AF047825, AF134726, AC002551,

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HCWCS12	911	585202	1 - 285		15 - 299
HCWCS51	912	921636	1 - 217		15 - 231
HCWCT07	913	954070	1 - 258		15 - 272
HCWCT23	914	676336	1 - 250		15 - 264
HCWCT48	915	741925	1 - 447		15 - 461
HCWCT85	916	527543	1 - 321		15 - 335
HCWCU01	917	921618	1 - 310		15 - 324
HCWCU17	918	577688	1 - 329		15 - 343
HCWCU32	919	725584	1 - 427		15 - 441
HCWCU57	920	764602	1 - 451		15 - 465
HCWCU58	921	527695	1 - 305		15 - 319
HCWCU63	922	527541	1 - 163		15 - 177
HCWCU94	923	713416	1 - 292		15 - 306
HCWCV01	924	921569	1 - 293		15 - 307
					AI433503, AA715955, AW150900, W04964, AL031662, AL109623, AP000009, Z98742, and AF196969.
HCWCV09	925	861950	1 - 420		15 - 434
HCWCV16	926	861839	1 - 552		15 - 566

HCWCV58	927	966512	1 - 314	15 - 328	W21218, A1445373, A1049701, N42508, A1870444, AAI51904, A1564301, AAI47801, AL134898, AL120698, A1056259, W63553, AA515172, N73169, A1246061, AA278496, AW019964, N77384, A1537020, AW238016, A1557090, A1223626, A1973173, F08866, AW021116, R48980, A1860535, A1054090, A1251024, A1251024, AA728861, AA565911, AA715351, A1284543, A1254770, AA448050, A1927261, A1251944, A1251034, A1251203, A1251284, AA559166, A1250552, A1096791, AC010205, AP000201, AP000097, Z99716, AP000240, Z98304, AC003087, AP000556, AL031685, AC006211, Z98742, AC005034, AC004223, AC002476, Z83844, AC007380, AP000557, AL034555, AC005839, AL132716, AL034449, AP000553, AC003007, AC004991, AC012083, AC002381, AC002425, AL022324, Z98946, AC005015, Y10196, AP000355, AC005821, Z93023, AC002470, AC002091, AL139054, AF130342, U80017, AL035420, AC004485, AL121653, AC009509, AC005740, AC005722, AP000248, AB023049, AR036572, U91328, AC004126, AL033397, AC007707, AL049694, AC006130, AL035659, AL109865, AF196969, AC005829, AL109657, AC002368, Z84466, AC009247, AC002347, AC007055, AC005011, AF001549, AC004827, Z98048, AP000352, AL031680, AC005235, AL049794, AC005081, AC003029, AC003101, AC004079, L44140, AC005261, AL121652, AC004659, AC006992, AL034419, AF111168, AC005003, AC005486, AP001053, AC012384, AC006285, AC005089, AC005534, AC005071, AC004797, AL022165, AP000343, AC006312, AC005519, U89337, AL078613, AC003663, AP000501, AL021878, AF200465, Y07848, AC002457, AC003982, AC005696, U95739, AL022334, AC006511, AC006333, Z98051, U96629, AP000039, AP000107, AL079340, AL031281, AC009399, AC007057, AL031228, AC002563, AL035587, AC005919, AC005274, AC005911, AL035071, U91323, AC005072, AL031286, AL121603, AL034582, Z84489, AC008498, AC004491, AP000345, AC007193, AC004448, AC005952, AP000555, AC007225, AL133163, AC005330, AL050404, AP000689, AC005632, AL096701, AC005225, Z83826, AL109801, AL035682, AP000344, AL008718, AL022326, AC004139, AL008627, AL031985, AC005799, U78027, AC004834, Z98941, AC004821, AC005014, Z98884, AF196779, AP000300, AC005095, AC006512, AC007934, AL117337, AC007200, AL035422, AC005243, AL031283, U82828, AC005332, AC005971, AL035089, U52112, AL022336, AC005702, AC004891, L48038, AL132826, AP000113, AP000045, AC007011, Z93017, AC004816, AL022319, AC004647, AC006529, AC004859, AC005684, AC007551, AF205588, AL049692, AC004475, Z98044, AL034553, AC007371, and AC003689.
HCWCV75	928	527080	1 - 226	15 - 240	
HCWCV85	929	966987	1 - 318	15 - 332	AC004801.
HCWCV93	930	792550	1 - 76	15 - 90	
HCWCX18	931	574933	1 - 364	15 - 378	
HCWCY16	932	507191	1 - 215	15 - 229	
HCWCZ33	933	523265	1 - 223	15 - 237	
HCWDB74	934	521894	1 - 265	15 - 279	AA745628, N69399, R32162, T51436, A1246386, H80215, A1139971, N27874, AA565911,

AA523719, AW390278, AI566236, AA515160, AA299351, AA425924, AA984585, AI583745, AA649174, AW377921, AI570019, AI281622, AI679759, R70884, AA833828, AW377907, AW377863, AW377912, AA078384, AA468494, H60331, AW176639, H63953, AA468956, AW390555, AW377894, AL038977, AW377926, AW377843, AW377862, AA484191, AW390250, AA702637, AA584788, AI133083, AI246061, AA516018, AA678616, AW151870, AA548221, AI524240, AA468975, R70883, AW384076, AW237903, AA514450, AA218835, AI734155, AI282821, AI983447, AA722331, F33820, AI749306, AI538491, AW270255, AW337483, AA309457, AA334993, T31290, AA357878, T53133, AW179040, AA572813, T40210, AI369925, AA579281, AI240755, AA625565, AA419225, AI290777, AI373810, AA366676, AI628482, AW379218, AL042667, AL042670, AA564925, AL050321, AL023807, AL033524, AC005081, AC005015, AF121781, AL035106, AL080243, AL049611, AC005225, AL031286, AF001549, U61981, AC005746, Z69705, AC005940, AC002112, AP000131, AP000209, AC004754, AL049776, AL034421, AL022069, AC005291, AJ011930, AL008629, AL022400, AL031428, Z82179, AL022336, AP000264, AP000101, AP000035, AL035690, U50871, AL035445, AC005368, AC005527, D87675, AC005480, AC005844, AC007227, AL022721, AC007283, AC003963, AC004890, AC000003, AC002073, AC005901, AL049712, AC007656, AC006305, AP000094, AC003954, U66061, AC005516, AC007298, AC005235, AF067574, AC005529, AC005383, AC006576, AC010170, AC005972, AC005821, AC002390, Z84474, AL031848, AP000501, AF184110, AP000502, AF134726, AC006059, AL109865, AF109907, AC006271, AC005899, Z98749, AC002456, AC005037, AC004137, AC004966, AP000140, AP000089, AL022326, AL035455, AL049588, AC007226, AC005874, AF134471, AC002542, AL139054, AC005377, AL033392, AL022725, AC005011, AL121769, AP000543, AP000239, AL031588, AC009275, AC004230, AL034548, AC009308, AL031257, U96629, AC002472, D28126, AP000282, AC007536, AC004913, AL049563, AC005086, AL022396, AF047825, AF053356, AL096774, AC004216, AC006008, AC006241, AC005091, AP000313, AC004209, AL022311, AL021937, AP000513, AL034350, AC003070, AC004020, AC005694, AP000194, AL035413, AB020863, AC006417, AP000088, AL049834, AC005164, AL078639, Z95118, U95742, AC012085, AP000108, AP000040, AC006088, AC004583, AC004500, AC004812, AP000050, AP000248, AL096791, U91326, AC007263, AF030876, AL121825, Z84466, AC002395, AL049781, AC000041, AF045555, AL020997, AC005914, AL031668, AC007666, AC000035, AC004143, AL022237, AC003030, AC004558, AC004217, AC002551, Z98048, AC000025, AL034551, AL022324, AC019014, AP000350, AC005261, AC005010, U85195, AF111168, AE000658, AC006011, AP000117, Z98745, AC007934, AC006254, Z92542, AC005230, AL035071, Z99943, AL035460, AL133245, AL121653, AC007425, Z82194, AC006430, AC007347, AL022238, AC006001, AC007057, AL049872, AC006277, AL034423, Z95400, AC008273, Z95152, AC004805, AF172277, AC005678, AC005184, AC005722, AC002289, AC002369, AP000503, AC005846, AC002403, AC005288, AC002307, AC010202
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HCWDB94	935	531417	1 - 299	15 - 313	and AC008041.
HCWDD15	936	660571	1 - 264	15 - 278	AI697096.
HCWDD60	937	575555	1 - 147	15 - 161	
HCWDG46	938	715509	1 - 147	15 - 161	
HCWDG49	939	861951	1 - 449	15 - 463	
HCWDH65	940	574250	1 - 533	15 - 547	
HCWDH85	941	574262	1 - 168	15 - 182	
HCWDH92	942	790618	1 - 212	15 - 226	
HCWDI37	943	849867	1 - 414	15 - 428	
HCWDI43	944	527685	1 - 309	15 - 323	
HCWDI64	945	924632	1 - 238	15 - 252	
HCWDI72	946	573034	1 - 163	15 - 177	
HCWDI79	947	526765	1 - 394	15 - 408	
HCWDI82	948	671636	1 - 221	15 - 235	
HCWDI89	949	953750	1 - 756	15 - 770	AA703394, AA128633, AA001607, T91402, AA001264, T84635, AA877628, and T25726.
HCWDI92	950	733422	1 - 341	15 - 355	AP000456, and AL078474.
HCWDI21	951	524780	1 - 347	15 - 361	
HCWDI23	952	527555	1 - 346	15 - 360	
HCWDI31	953	531418	1 - 262	15 - 276	AA843450, AA077952, F19258, AA626678, AA469451, AA340003, AA743956, AA745410, N27351, AA327323, AW438916, F29989, AW406755, AI872227, R91994, AW021583, AI358229, AL041368, AW340844, AW440836, AI365988, AI792108, AW339687, AI635272, AA618158, AI439269, F31204, AI824562, AA077817, AI246796, AI205126, AA515128, AW105538, AI003734, AL133723, AI803348, AI250019, AW236342, AI144055, AW088202, AA932099, AA594145, AI216799, AA377730, AA077223, F37286, AA486680, AA016075, AW304584, AW440976, AA947801, AA515938, AA228329, AL040913, AW269639, AI820539, AI286264, AA515435, AA551509, AI003743, AI291124, W60516, F35659, AI291268, AI963263, AW074398, AI537030, AW419262, AL037554, AA610786, AI267847, AA362700, AA084070, AI653809, AW104748, AI608626, AI003172, AA515224, AA713815, AL138265, AW086257, C16459, AI962050, AA745582, AA077935, AA581342, AA338234, AL079812, AA633892, AI050007, AI917271, AA363989, AI471481, AA744074, AA744088, AA745355, F25203, AL120483, AA515051, AI357551, AI929531, AI049722, AI433187, AW162049, AW303876, AI284640, AI816537, AI908628, AA557879, AI873916, AW407578, AA501344, AI469878, T12272, AA659774, AA252729, AA338431, M78177, AI802526, AI952786, AI244758, AW274349, AI890923, AA715606, AW338754, AA341398, AI866964, AI240891, AW303196, AW301350, AW188484, AW029038, F36273, AI306524, AI287284, AI904894, AW166815,

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HCWDJ45	954	523227	1 - 440	15 - 454	X55448, AC006388, Z85987, AL021940, AC004029, and AC005011.
HCWDJ89	955	697736	1 - 410	15 - 424	AC003678, and AC003689.
HCWDL19	956	669721	1 - 356	15 - 370	AA279751.
HCWDL45	957	889416	1 - 397	15 - 411	Z98747.
HCWDL68	958	752320	1 - 163	15 - 177	AA315353.
HCWDM02	959	920563	1 - 413	15 - 427	
HCWDM06	960	935898	1 - 175	15 - 189	
HCWDM07	961	953742	1 - 468	15 - 482	
HCWDM14	962	849962	1 - 370	15 - 384	AW275378, AA551080, AA971039, D45576, Z60609, and Z60608.
HCWDM23	963	676215	1 - 449	15 - 463	
HCWDM60	964	754785	1 - 324	15 - 338	
HCWDM79	965	578967	1 - 340	15 - 354	
HCWDN15	966	557862	1 - 193	15 - 207	AF049574.
HCWDN60	967	861882	1 - 273	15 - 287	AW104830, and Z99714.
HCWDO11	968	967364	1 - 339	15 - 353	
HCWDO56	969	961273	1 - 516	15 - 530	
HCWDO65	970	920523	1 - 424	15 - 438	
HCWDP85	971	747141	1 - 282	15 - 296	
HCWDQ35	972	573577	1 - 311	15 - 325	
HCWDR01	973	839104	1 - 465	15 - 479	
HCWDR42	974	529354	1 - 285	15 - 299	AC022517.
HCWDR63	975	849899	1 - 531	15 - 545	AC006146.
HCWDR86	976	527690	1 - 513	15 - 527	H47333, AA465102, AA614574, AC006343, AL049759, AC004876, AC006515, AC007057, AC005370, AL096755, AC004084, AC005037, and AC005488.
HCWDR89	977	787025	1 - 283	15 - 297	
HCWDS10	978	880973	1 - 410	15 - 424	AA158919.
HCWDS19	979	418009	1 - 203	15 - 217	
HCWDS26	980	684696	1 - 370	15 - 384	AI859744, AA525331, AW249151, AL720943, AA715075, AI567391, AA715173, AA482928, AA209208, AA774098, AW372037, AL049569, AC004962, U82828, Z97054, Z84466, AC004087, AC007684, AC006312, AL022323, AC005971, AL034420, AL021154, AC003108, AC007298, AC002477, AC005527, AC003003, AL031663, AC007160, AF001549, AF109907, AL049843, AC005280, AC004520, Z97353, AC005399, AP000213, AC004222, AC002549, AC007685, AP000135, AL117258, Z98949, AC005914, Z95115, AC005529, AC004554, AP000031, AC006116, AC002302, AC006077, AC005324, AL133245, AC006006, AC005618, U96409, Z82206, AC006210, AC006195, AC004884, AC005235, AC007686, AL034429, AC002349,

					AC003035, AC005661, AC005921, AL021918, AC005531, AL035455, AP000697, AC007016, AL049589, AC005562, AC006033, AC002366, Z85996, AC007308, AL050341, U91321, AC003042, AC005694, AL021396, AL031666, AC005901, AC007242, AF067844, AL022315, AF111168, AC002544, AC005519, AC005480, AB020878, AL121852, AC007386, AC004796, AC004811, AC005722, AP000354, AC009263, AF001548, AL136504, AC002040, AC007263, AC002364, AL034395, AC004655, AC005778, AC006012, AC005548, AL035405, AB023048, AC009044, AC002365, AC002123, AC004167, AC005822, AC005225, AC002426, AC007226, AC004938, AC004912, AC007182, AC004638, AC007688, U91318, AC004966, AL132987, AL109984, AC006480, AC005015, AC006214, AL022721, Z93930, AC010206, AC004605, AL035683, AC002542, AC005069, AC002044, AC006057, AC004106, AL109963, AC003037, AC005191, AC007537, AC002369, AC002400, Y18000, AC005105, AL122023, Z77249, AC002558, Z84484, AC006474, AP000170, AP000055, AP000123, AC007388, AC007676, Z82190, AC002431, AL031577, AC005102, AF031076, AC005409, AC007225, AC005070, AL033527, AC005972, AC002470, AC004828, AL035587, AL023553, AL033376, AC006115, AC004595, AC006544, AC007376, AP000313, AL133371, AC005940, AC004883, AP000194, AP000109, AP000117, AC000134, AL008582, AP000088, AL035106, AC005839, AL022316, AC008008, AC005332, AC004996, AP000044, AP000112, AC005037, AC005844, Z99496, AP000050, AL049759, AC007510, AL117355, AL049765, AL031055, AJ003147, AC002350, AF031078, AP000500, AC003684, AC007731, AF030876, AL049839, AC006571, AL109628, AC005500, Z98050, AC005902, AL031311, Z95331, AL024507, AC007546, AP000493, AF020503, AC008170, AC002492, AC008125, AC002563, Z98036, AC006111, AL035598, U95743, AL080243, AC008064, Z83819, AP000694, AC004893, AC003030, and AC004560.
HCWDS40	981	523301	1 - 427	15 - 441	
HCWDS41	982	669754	1 - 352	15 - 366	
HCWDS48	983	861849	1 - 425	15 - 439	
HCWDS52	984	771881	1 - 343	15 - 357	
					AA093224, N89520, and AF045432. AJ937612, AA729747, AW081591, T57592, and AC005261. AJ049996, AI538540, R94288, AA365586, AI952900, AC004253, AC004815, AC005529, AC004686, AC002351, AC005722, AC009178, AL049709, AJ003147, L44140, AC005231, AC005071, AL135744, AC007676, AC004895, Z99716, AC008372, AC002126, AC000120, AC006241, AC005527, U48696, AC005841, AC006486, AC002316, AC004024, AL121852, AC006023, AC005703, Z68324, AL031767, AL031848, AC005781, AC006538, AC006084, AC006285, AL080243, AC004820, AL035413, AL133448, Z93023, AP000552, AL022721, AF196779, AC009464, AL050307, AC005348, AC004623, AL109799, AC004067, AC004887, AL034420, AL117694, AP000688, AC004890, AC011311, AP000513, AC007225, AC002477, AC007376, AL031680, AC016025, AF196969, AL133249, AC004526, AC002073, AC004263, AL021578, Z85987, AC002365, and AC007686.
HCWDS55	985	861943	1 - 441	15 - 455	
HCWDS59	986	934914	1 - 417	15 - 431	
					N83993, N83168, AC004924, and AF045432.

HCWDS61	987	741992	1 - 394	15 - 408	AA406404, AW405796, AA233053, AI741861, H67245, AA292217, AI301933, R69395, H43955, AA625270, AA371992, AI033494, N42102, AW025130, AA010129, AI870802, R48046, AI799541, H26714, AI304348, AI017809, AI310484, AA056473, AI220164, AA234535, AI208430, AI470071, AI560756, H81562, H26715, AI131097, AA232686, and AC004258.
HCWDS83	988	612257	1 - 480	15 - 494	N88601, AA247964, N88782, AA095359, H58760, N83168, N89520, N84855, N83991, AA247827, N83992, AA096046, N84048, S78798, AF103726, U48696, AF045432, AF039698, AF102850, and AR066487.
HCWDS91	989	557931	1 - 431	15 - 445	AC005940.
HCWDS94	990	959650	1 - 417	15 - 431	
HCWDT12	991	573487	1 - 368	15 - 382	
HCWDT84	992	542238	1 - 320	15 - 334	
HCWDV17	993	974478	1 - 684	15 - 698	N88601, N84855, N89520, N83992, AA095359, AA247827, AA247964, N84048, N83991, AA096046, N83168, N88782, H58760, AA093224, N84718, N83993, AA095641, AA096066, N86694, N84712, AA471338, N55698, N88518, N84830, N84829, AA215908, AF045432, AF103726, S78798, AR066487, AF039698, AF102850, U48696, AF032922, AJ243486, and U39066.
HCWDV82	994	529210	1 - 124	15 - 138	AL132712.
HCWDW05	995	852997	1 - 332	15 - 346	N57782, AW157128, AI038029, AA129000, AI061313, AA349923, AI520984, AI174489, AI828721, AI285651, R79396, AW192002, AW337817, AA533660, M77964, AW021674, AA557945, AA364147, AA135761, AA018258, AW021847, AI572680, AW069110, AI370470, N80469, AI308529, N55076, AA610644, AA205931, AA579417, H24331, F17312, AA526659, AI345256, AI708565, AI307563, N99564, H52795, AI003391, AA828840, AA730530, H59856, AA526658, AI003068, AW020682, AI684999, AI760850, AA218684, AA084320, AI567676, AA676462, AA084148, AW028376, H53373, AI124558, AW341878, AA834891, AA598497, R87909, AA053463, R86876, AI570067, T59937, AA468923, R88475, AA083850, AW069769, AA372646, AA632869, AA293809, H81012, AA411337, AI884404, F04021, AA613765, AI926876, AA015948, AA658443, AA748071, F24745, AW243864, H57065, AI044566, N25281, N55296, AA227713, AA369465, AA640305, H05066, AC004983, AC005234, AC003102, AL079342, AF111168, AD000671, K03021, AL031291, AL022318, AP000691, AC005031, AC005046, L47222, AC005331, AC004999, Z98200, AL133448, AL049540, AC006088, AC005839, I34294, AC005412, AL121655, AC005332, Z97630, Z93017, AL121825, AC007537, AC006953, AC005180, AL080243, AL035071, Z84488, AC005837, AC002369, AL035587, AC005089, AC007055, U85195, AP000692, L47229, AC006946, AC004491, AC005081, AC006116, AE000658, AC005329, Z94161, AC002310, AC005102, AC004099, AC007051, AC005755, AC005696, AC006277, AC007919, AP000689, AC005355, AC007546, AC005666, AC005768, AC005011, AC002312, AL034548, AL050321, L47227, AL135744, AC005682, AC007676, AC012627, AC005300, AB001523, AC000379, AC000039, AC006538, AC006251,

					AB003151, AL049759, L44140, AC000070, AF196779, AC000082, AL049694, AC004859, Z81364, AC005921, AL049757, Z95114, U91323, AL078584, AC006449, AC006443, AL121653, AC000159, AC005828, AC004765, AL021407, AL031286, D28126, AC006079, AL022163, AP000260, Z98946, AP000210, AP000132, AP000213, AC006942, Z93024, AL021877, AC007536, AL096701, AP000555, U07562, AL022315, AJ246003, AP000135, AL035086, AP000099, U80017, AL133163, L78810, AC003098, AC005971, AP000356, AC002492, AP000036, AC005231, AL050318, AL049872, AP000248, AC005800, AC005821, AL022326, AP000031, AL033533, AC005280, AC004019, AC005484, AL049869, AL031229, AC002381, AC008041, AF001549, AC003957, AL109798, AC007371, AC006040, AL031255, AF045555, AC006006, AC002045, AF015416, AC002553, AL121658, AL035460, AP000557, AL020997, AC006075, AC004997, AL031774, AL031737, U91326, Z69705, Z83844, AC002039, AP000317, AC003665, AP000051, AP000119, AP000166, AL008719, AC004000, AC004150, AL031589, AP000500, AC008372, AC002470, AC006509, AL022302, AC002094, AL034420, AL009179, AC004650, AL022316, AC004985, AC004893, AC000025, AP000553, AC004754, AP000365, AL023799, AF196969, AC007421, AL024508, AC005585, AP000547, AC002464, AC006222, AC006468, AC004953, AC003083, AL139054, AP000255, AC009405, AC004242, AL035458, AC005200, AC005527, AL024498, AC005606, AL049781, U95739, AL021453, AL121769, AC004659, AC002565, AC005323, U95742, AP001052, AC004895, AC001228, AC005520, AP000152, AC000388, AC004703, AC002543, AC004975, AL022165, AL109984, AC004673, AC005039, Z95116, AC004263, AC009516, AL049553, and AC004973.
HCWDW08	996	861936	1 - 372	15 - 386	AC011625.
HCWDW13	997	523236	1 - 344	15 - 358	
HCWDW17	998	849938	1 - 294	15 - 308	
HCWDW29	999	849939	1 - 223	15 - 237	H05821, AI821975, AI022708, R98591, AC003662, AC004966, Z99128, AC005510, AC004859, AL079342, AC005067, AL031577, AC007425, U62317, AC004686, AL049631, AP001040, AC006014, AB023051, AP000512, Z74739, AC003109, AC004834, AL022238, AC009509, AC005488, AC000026, AC002059, AC005874, AF134471, AC005844, AC005737, AC010205, AC005476, AC002045, AC000039, AC004750, U95740, Z83845, AC002551, AC005015, and AP000496.
HCWDW33	1000	573554	1 - 333	15 - 347	
HCWDW42	1001	462405	1 - 533	15 - 547	AA828984, AA365347, N43757, AA450199, AI921649, AI376100, AW074059, AI356904, AI922654, AI564284, C18357, C18360, AA658235, N53150, AA100489, T28550, AI956124, AI453383, AA593060, AA428414, AA192337, F26152, AI570138, AA829106, AA776936, AA828704, AA776921, T16592, AA584749, M86058, AA228339, AA653964, AA328591, AA303261, AA353595, AA723017, F24284, N59782, AA320748, AI371429, W07032, AA703692, AA397572, AI372413, AI758582, AI364809, AA176924, AA927637, AI340453, AA558656, AI561335, AA372875, AI061334, AI053672, AI334443, AA919037, AA196020, AI349874, AI561335, AA372875, AI061334, AI053672, AI334443, AA919037, AA196020, AI349874,

					<p>C16624, AW117750, AI688846, AI921188, AW303876, AI963720, AA528516, AL046409, AI344844, AC007848, AC004712, AL121603, AC006277, M62424, AR025392, AP000352, U96409, AL033381, AC004066, AL109799, Z84718, AC005338, AL136295, X03272, AP000496, AC004862, U63721, AP000134, AP000212, AF107885, AC005866, U66059, L78833, AC004941, AP000350, AF131217, AC003983, AP000351, AL121934, AC006333, Z99774, AP000692, AC004592, Z92540, AC008115, L49046, AC005887, AC004992, AC003966, AC005618, AL022329, AC007536, X78901, AC006538, AL021918, AC006241, U47924, AC004802, AC006120, AL096862, Z84474, AL109984, AC005856, U95740, AC006332, AC007263, AL022323, AP000356, AL031733, AC004638, AC003112, AL049613, AP000512, AL022318, AL079340, AL049757, AC004933, AC005696, AP000034, AC004741, AC007435, AC005690, AL020993, AL009031, AC002326, AC005940, AC006007, AL133382, AL035681, AL121591, AC007285, AL008629, AL031255, AF023268, AC006146, AL035460, AC006462, AL049776, X53548, AC005625, AP000252, AC006077, AL049610, AC004542, AP000031, AL139054, AP001053, AC006285, AC007680, AL035071, AL133485, AC009516, AL109657, Z99496, AC008134, AC003035, U07977, AL121915, AC004804, AP000553, AC002508, AC016026, AL049712, AL021155, AC004010, AP000354, AC003050, AC005231, AC006511, AP000552, AP000230, AP000144, AC004895, AC020663, AC000353, AC007707, AC008173, Z86062, AP000555, AC006211, AL049766, AC004948, AC005911, AC003977, AL049759, AC004168, AC006449, AL132987, AL031276, AC005284, AF190465, AC002425, AC004468, AC004383, AC002544, AL035361, AC005998, AC000003, AF023460, AC004659, AF015153, AC004087, AL021877, AL023284, AC004650, AC005703, AF108083, AC002364, AC006001, AC006157, AC005486, AF165926, and AL133245.</p>
HCWDW43	1002	714423	1 - 345	15 - 359	<p>AW419201, AW274349, AI625244, AI613459, AL042420, AW302013, AI284640, AI312309, AW166815, AL119691, AA713815, AI471481, AA682912, AA581903, AW162049, AI929531, AL046409, AI281881, AA493464, AW073470, AW167799, AA531372, AA634227, AI859742, AW020340, F36273, AW303196, AW103981, AF177861, AI339850, AA425283, AA601492, AA521323, AA502103, AA630476, AW085751, AW301350, AA229005, AW103758, AI310670, AI567674, AW265385, F30933, AA244357, AW304584, AW341992, AI754955, AA219129, AW072963, AL038785, AI702049, AA521399, AI368745, AA593247, AA489390, AI935827, AI061143, AL036334, N53150, AI801591, AA631915, AA525824, AI889781, AI611990, AW162314, AI367975, AA469451, AA584201, AL042753, AA806796, AI174703, AA837677, AW265468, AA595661, AL121039, AW162332, AC005808, AC007051, AC007919, AF077058, AF015151, AL121934, AC005907, AL023575, AC007066, AC005754, AC005049, AC006511, X75335, AL139054, AL034420, AL009181, AC005330, AL049636, AL008582, AC007216, AL031680, AC005225, AL035659, AC002310, AC006037, AL009179, AC002544, U91326, AP000503, AF134726, D83989, AC004134, AC004099, Z85986, Z93023, AL022322, AC005231, AL035460, AL050312, AL049874, AC016026, AC006277, AP000704, AC016025, AC007845,</p>

HCWDW57	1003	927656	1 - 235	15 - 249	AC004848, AC007227, AC007151, AP000563, AC002477, AC005082, AC005899, AC006076, M94631, AC002470, AC006312, AC005914, AL049844, AL021878, AL049712, AL133448, AC004895, AC004150, AL080243, Z97056, AL135744, AC004477, AC006468, AC004821, AC005632, AP000359, AC004890, AL096776, U63721, AL022316, AC006132, AL132718, AC004686, AF207550, AC000052, AC005081, AC006125, AP000211, AP000133, U14700, AC004921, U14698, AL121655, AL109963, AL008726, AP000095, AL031446, AC005694, AC005164, AC005776, AP000239, AC005324, AC004019, AL031602, AC007537, AF111168, AC004770, AL109798, AC005527, AL121603, AC000025, U15177, AC005250, AC005670, AL031728, AL020993, AC007229, AC006141, AC005184, Z86090, AC007899, AC003682, AL049757, AL049569, AL031311, AP001172, AL031229, AC005514, AJ003147, AC005837, AC004999, AC002564, AL109984, AC005399, AL109628, AJ011930, AC004832, AC002347, AC006373, AC005696, AL034421, AC005594, AC006992, AF124523, AF109907, AL031432, AL022329, AC002553, AC005180, D83253, AC005746, AC005480, AC007437, AL023879, AC002563, AL021808, AC007686, AC004228, Z83844, AC005736, AL031321, AC005037, AC005529, AF196779, AC004485, AC003109, AC004242, AC002350, AL008719, AF047825, AC009516, AL049758, AL035587, Z83846, AC004531, M87919, AC004876, AF165926, AP000111, AP000043, AC004918, AC000120, U80017, AL031589, AC002365, Z86061, AC006126, AC002465, AC007324, AC004559, AC004812, AL096791, AL049777, AC006449, AC005740, U85195, AP000967, AL132712, AC006360, U95742, AC005544, AC005785, M37551, AL020995, X87344, AP001039, AC004655, AC007043, X74558, AC005886, AC005913, AC005546, AC005911, AC005295, AC006948, AC007676, AC006543, and AP001037.
HCWDW61	1004	574859	1 - 351	15 - 365	AC004961.
HCWDW62	1005	849960	1 - 586	15 - 600	N83991.
HCWDW73	1006	861934	1 - 373	15 - 387	AA341865, AA363003, N40092, AI819262, AI061303, T30418, AI372604, AA322542, AW169038, H53217, AA078184, AA668166, T97322, AA572753, AA455205, AI359200, AA626840, AA515254, AI188049, AI270647, AA010973, AA420801, AL048275, AW247389, AA683091, AA350406, F00564, R95840, AA215585, AL079869, R49266, AA047849, N47855, AW327852, N52323, AA078137, N33851, AA713714, N72170, AF034180, AA470567, H60249, AI678581, H78898, H67649, AW068580, AA513884, AC003980, AC006241, AL031680, AC004552, Z93017, AC004805, AC002425, AC005069, AC005546, AC007011, AL109613, AC005632, Y14768, AC006254, AC007216, AC005920, AC005335, AC006312, AP000505, AC002073, AC007386, AC002352, AF196969, AF109907, AP000345, AL096701, AP000346, AL031846, AL031597, AC002400, AC003013, AC002398, AL049780, AL024508, AC005829, AC005089, Z99716, AL031662, AL136295, Z93930, AC004500, AP000359, AL080242, AL133312, AL024498, AC007388, AC006565, AL008718, AC005399, AC007276, AC005578, AC004895, AC011311, AP000696, AC004796, AC004491, AC006141, AC005231, AL031577,

I						Z83847, AC005189, AC005015, AF200465, AC000085, AC005598, AC006075, AC007358, AL031602, AC005280, U15177, AC004843, AC004849, AL096703, AC001231, Z82194, AC005822, AC006080, AC004638, AC005954, AP000065, AC004263, AC007686, AC006153, AL121769, AC004531, AC007066, AC007263, AC005004, AL049760, AC005940, AC000159, AC006299, AC006480, AC004821, AC004477, AL121658, AC005722, AC003026, AC007227, and AF196779.
HCWDW74	1007	952698	1 - 421	15 - 435		
HCWDW78	1008	773698	1 - 336	15 - 350		
HCWDW90	1009	529233	1 - 301	15 - 315		
HCWDW93	1010	574155	1 - 401	15 - 415		AL137740, and AF198488.
HCWDW94	1011	753166	1 - 942	15 - 956		
HCWDW96	1012	975401	1 - 52	15 - 66		
HCWDX19	1013	523233	1 - 447	15 - 461		
HCWDX22	1014	967361	1 - 415	15 - 429		
HCWDX36	1015	861932	1 - 366	15 - 380		AI022659, AI248903, R16508, AL036251, AI688963, AI537814, AC005015, AC006512, AC000120, AF173228, AF053356, AC000119, AL096701, AP000558, AC007263, AC005519, AC002301, U47924, AC005902, AC004491, AL022316, AC005081, and AF003626.
HCWDX39	1016	573574	1 - 332	15 - 346		
HCWDX52	1017	661568	1 - 535	15 - 549		AW339619, AW169183, AI797998, AA595661, W85818, AL042667, AL042670, AL039117, AI744963, AA489390, AI732596, AI439525, AI251696, AA132947, AA748071, AW057760, AI732563, AA180056, AW265468, AW272815, AI174703, AI285651, AI049999, AI473671, AI250552, AW072963, AI254508, AA664963, AI251284, AI251203, AA564256, N70293, AA729004, AI251034, AI310670, AW409626, AI523205, C14614, AA814719, AA133568, AA598608, AI679486, AI869797, AI284543, AA599712, AA995373, AI224583, AA814503, AA639155, AI088903, AW273201, AW273146, AA425283, T03928, AW303098, AI308529, AA584484, AA503018, AA157876, AW086291, AI690379, AW020094, AW410844, N27340, AA324108, AI254770, AW409621, AA648605, AW069273, AI254267, U85195, AE000658, AC004263, Z99291, AP000510, AC002312, AC005837, AL009181, AC004587, AL109827, AL034420, AL139054, AF196779, AC005154, AL031293, AC002477, AC007384, AC004196, AB023048, AC006162, Z98036, AC006011, AC005740, AC002302, AC009516, AC005215, AL133163, AC005228, Z98051, AC007216, AC003029, AL133448, AC004973, AL121652, AL031311, AL135744, AC005041, L44140, AP000133, AP000211, AC002430, AL034549, AC005355, AC002314, AC004634, AC005829, Z95114, AC007240, AL022165, AC005913, AC002996, AL008582, AC005067, AL022334, AL109952, Z84469, AC004522, AL049569, AL035086, AF196969, AC006285, AC005225, AL035587, AC005409, AL031427, AC004148, AC004876, AC005839, AC003665, AC004929, AP000355, AC010205, AL096791, AC005330, AC004812, AP000252, AC005231, U47924, AC004887, AL034421, AC005257, AP000356,

					Z86090, Z98742, AC006449, AL022316, D87675, AC002350, AC007226, AF109907, AC009247, AL031281, AP000008, AP000031, Z97630, AC007227, AP000691, AC002310, AC005202, Z85986, AL109628, AL022313, AP000503, AC016025, AC002369, U80017, AP000359, AL022336, AL096702, AC005911, AC003682, Y18000, AL049830, AC003982, AC000355, AC000379, AC005081, AC005015, Z98941, AL050317, AL096774, AC006013, X69907, AL135879, AL121790, AL096701, AC007011, AP000065, U52111, AC006057, AC004106, Z85987, Z94865, AC012330, AF165926, AC004874, AC004755, AC006241, AC009399, AC006538, AF205588, U78027, AC004765, AC004668, U95742, AC004520, Z96074, AL132992, AL022238, AP000248, AC004771, AC002544, AC008018, AC005722, AC005546, AL034429, L78833, AC004859, AC005049, AL035659, AL035684, AC004491, AP000257, AC004835, AL031680, AC004922, AL021918, AC004881, AC004686, AC006479, AJ246003, M89651, AL049757, AC005519, AC005527, AC003112, AC002425, AC002306, AP000704, AC005500, AC005779, Z93930, AL031276, AP000553, AL035422, AC004019, AC004815, AC007066, AC005377, AC004253, AC006121, AC002126, AC004647, AC005914, AC004584, AC004804, AP000152, Z95703, Z83844, AF196971, AC005800, AC006441, AC005058, AC008008, AC006084, AC005670, AF111169, AC004033, AC007731, AC004975, AC005730, AF129756, AC004386, AF134726, Z95115, AC003110, AC005726, AC000052, AL009172, AL022323, AC003010, AC005288, AC004858, AC005932, AC008044, AL020993, AC003101, AL080243, AP000511, Z69890, Z93017, AC007546, AC007934, AL031666, AP000689, AC007151, AC007298, Z99128, AC005821, AC005666, AC007421, AC002377, AC006581, AB025285, AL021406, AL121603, AL049697, and AL031584.
HCWDX65	1018	920877	1 - 340	15 - 354	AL031296.
HCWDX76	1019	932614	1 - 226	15 - 240	AA081685.
HCWDX85	1020	861933	1 - 330	15 - 344	T27308, and AA187085.
HCWDY47	1021	573557	1 - 303	15 - 317	
HCWDZ13	1022	657398	1 - 383	15 - 397	
HCWDZ89	1023	576697	1 - 203	15 - 217	
HCWEA30	1024	681277	1 - 396	15 - 410	AL079734, AA581247, AA452887, AI912401, AA614163, AA182731, AA559241, AW151247, AA084609, H53217, N72170, AA228349, AI146750, AW188742, F00564, AL048275, AL038842, R95840, H66577, AA713705, AA470567, AI251429, H60249, N33611, T74524, AI289505, AI635440, AA654874, AA581471, AW237905, AI742168, AA228338, AA297666, AW008169, AA181917, AI249688, AA666295, AA601674, AA502991, AA481887, AA326034, AA570255, H63660, AL109827, AC007546, M37468, U47924, AC004230, AL109758, AC007226, AC004813, AC005379, AC004217, U91326, AC004150, AC006538, AC005924, AC005746, AC005212, AC004841, AC005399, U96629, AC009263, AC005332, AF003626, AC008072, AC007285, AL049643, AC005911, AP000502, AL135744, AC005288, AC004876, AL035697, AL136295, AF030453, AL109963, AF196779, AP000065, AC007277, AC004878, Z83822, AC005067,

					AF196969, AL109984, AF134726, AC005088, AB023049, AC005488, AC010582, AL034429, AC003037, AL133448, AC006071, AC004638, AC005952, AC004686, AC005412, AC003036, AC004913, AP000245, AF165926, AL024498, AC007308, AC003963, AL050308, AC005587, AC004895, AC005004, AC006543, AC004890, AC006480, AL080243, AL031774, AC004787, AB017602, AL079342, AF129756, AC002300, AC002347, AC002996, AC005844, AC006441, AL030996, AC005670, AL035072, Z82243, AC005105, AC003962, AP000512, AC006530, AC005386, AL035422, AF031078, AC005913, AL035455, AC000111, L44140, Y14768, AF030876, AL031584, AC004448, Z82214, AC004491, AC006544, AL031680, AC007664, AC005529, AC007774, AC005484, AP000505, AC002476, AC005914, AC004079, AC005377, U91321, AC002470, AC002120, U78027, AC002994, AC006001, AL050341, AF088219, AC005015, AL139054, AL049838, AC006512, AC004475, AC002301, AL035457, AP000359, Y07848, AL008718, AP000699, AL021453, AC005562, AL133485, AC004019, AL109627, AL021707, AL035415, AL078638, AL049869, AC004760, AL121603, AC005619, AC007151, AC005796, AC004030, AL049872, AL022320, AC007240, D87009, AC005666, AL035249, AL035683, AC002350, AP000045, AP000113, AC007055, AC004967, AC006241, AC004675, X68793, AP000553, AC006271, AC010077, AL050332, Z83844, AC005480, Z98200, AC004263, AC005102, AC007386, AL034549, AP000694, AC007227, AC004859, AL023581, U95742, AC004854, AP000466, Z93244, AC005527, AC006064, AC000052, Z96243, AC005358, AC006254, AC002563, AC006132, AC005932, AL035658, AC002352, AC007999, AC009516, AL078581, AL035587, AL022318, Z98048, AF104455, AC002314, AC020663, AC004821, AF196970, AC005632, Z83840, AL049780, AC007216, AC004893, AC002126, AC006080, AL109799, AC004703, AC003110, and AC005954.
HCWEA65	1025	849918	1 - 214	15 - 228	AC009405.
HCWEA77	1026	666180	1 - 359	15 - 373	
HCWEA78	1027	697596	1 - 295	15 - 309	
HCWEA82	1028	719028	1 - 356	15 - 370	
HCWEA84	1029	506718	1 - 331	15 - 345	AC006026.
HCWEA86	1030	574858	1 - 339	15 - 353	
HCWEB11	1031	975408	1 - 65	15 - 79	
HCWEB25	1032	925102	1 - 389	15 - 403	
HCWEB28	1033	932114	1 - 341	15 - 355	AL139054, AC004408, AL031427, AC006285, and AL078581.
HCWEB33	1034	925286	1 - 352	15 - 366	
HCWEB37	1035	849854	1 - 411	15 - 425	
HCWEB40	1036	514584	1 - 488	15 - 502	AL046409, AL079645, AI732151, AI754955, AI587583, AI061313, AL120343, AI431303, AI755214, AI754567, AA651639, AW265385, AI244127, AI754105, AW069227, AI254779, AL044858, AA574442, AA284247, AI754653, AW020088, AL042635, AW301350, AW303196, AI919265, AI281881, AA527602, AW162288, H07953, H05940, AW275432, AW274349,

AI590906, AI799642, AI188390, AI311647, AI053784, AW328331, AL040054, AW023111, AI679782, AA833875, AA833896, AI732764, AW327624, AI792529, AA644090, AI587565, AW157005, FI3749, AL119838, AI696793, AA581903, F35374, AA600202, AI358089, AW162049, AW073470, AI929531, AI054193, AA657835, AA676592, AI885488, AL042856, AI654247, AW020992, AW069783, AI028510, AW004911, AW068996, AA829036, AI926728, AI912401, AA501784, AA533042, AW029038, T74524, AI821486, AI537020, AI216998, AI064864, AL138455, AI754023, AW304805, AA992126, AI821814, AA610509, AA226584, AA846935, T50676, AL042373, AW270385, F27015, AA773463, AA809546, AW410354, AA492495, AI339850, AI368745, AI801505, AW088202, AW328446, AC005256, AL049869, Z95115, AC007774, U29953, AC004531, AC005089, AC007487, AC007687, AL035587, AC005037, AC006511, Z85986, AL096791, AL022328, AC012627, AC005207, AF050154, AC006001, AC004883, AC005921, AC005856, AL022329, AC007204, AC002369, AC005377, Z98941, AC005399, AL022165, AL022476, AC002377, AC005971, AC005726, AC004590, U91325, Z98743, AC006251, AC007536, Z84480, Z98200, Z99943, AC007030, AL022313, AC005095, AC008115, AF015156, AC007676, AL096701, AC005581, AL023575, AC007227, U78027, Z95152, AC004859, AC007216, AC006449, AL035422, AC004797, AC005695, AL049636, AC003070, AC002425, U96629, AC005224, AC004455, AL049643, AF075098, AP000116, AC005184, AC005701, AC005378, AC005529, AC006088, AC003043, AC005619, AC005368, AC006026, Z99716, AL022238, AC005081, AC004821, AL031447, AC005261, Z84469, AL136295, AC006023, AC022517, AC007435, AL079340, AL008730, AL049697, AC005722, AC004832, Z82182, AC005520, AJ006996, AL049539, AC003108, AL133246, U95742, AC005180, AC005943, AC004770, AL034371, AC004685, Z97056, AC006121, AP000065, AC005592, AP000210, AP000132, AL031282, AP000350, AC004596, AL024509, AL117694, AC004099, AC004098, AL034548, AL024474, AC007688, AF015151, AC004263, AC005972, AL008635, AC005800, AC007277, AC004999, AP000248, AF064861, AP000694, AL008726, AC009516, AC005209, AP000466, Y14768, AL049776, AC006241, AC005808, Z84487, AL021397, AF196779, AF053356, Z82244, AF207550, AP000503, AC004559, AC000353, AC005332, AC006120, AL031650, AC002119, AC004638, AL050318, AL109627, AP000505, AP000359, AP000553, AC006512, AC005057, AC005736, U85195, AC006509, AC006077, Z98742, AF134726, AL132796, AL049766, AC005519, AC005360, AC006277, AC005015, AC006071, AL009181, AC005901, U47924, Z98883, AP000086, AP000496, U41384, AL133243, AL022323, AL078634, AC002314, Y18000, U62293, AC004253, AC004887, AL022326, AC002400, AC006273, AE000658, AL049576, AL031003, AP000008, AP000114, AP000046, AC005291, AC004858, AC000026, AL121603, AC006312, AF146191, AL050321, AP000152, AC005031, AP000555, AF190465, AC004765, AC006064, AL050307, AP000356, AC006530, AC006952, AL049650, Z93241, AF196969, AC005179, AL121658, U18399, AC002059, AC002563, AC006230, AC006372, AL031685, AC004106, AC002553, AC003982,					
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HCWEB56	1037	527051	1 - 534	15 - 548	AC007136, AL121748, and AL031279.
HCWEB71	1038	573147	1 - 423	15 - 437	AW362435.
HCWED11	1039	948689	1 - 429	15 - 443	AA724231, AW021007, AA278496, AL624379, A1439676, AA565911, AA837771, W63553, AL041613, AA569734, T03928, AW242279, T40210, AA354507, AL624234, AA864815, AL119563, AA740736, AA493784, A1459866, AL018726, AA507990, AA557945, F29968, AC010202, AL049553, AL031279, AC004104, AL034553, AL117694, AC007011, AL109627, AL096712, Z95152, AC006312, AL031283, Z93241, AC005243, AL031674, Z82215, AL096775, U24498, L39891, AL035681, AL035405, AL035683, AC005256, AC006146, Z85996, Z82179, AC005747, AC003950, AL031846, AC005821, AL135783, AC008041, AL079342, AC002430, AC003692, AC005519, AF196969, AC001644, AL021937, AC007510, AC004816, AC005358, AC002316, Z99774, U91323, AC007384, AC000025, AF139813, AC005089, AC002375, AC002978, AL049759, AL023807, AL035249, AC004228, Z95115, AF196971, AC004084, AC005696, AL034384, AC002395, Z82194, AC005632, Z83844, AP000355, AC002073, AP000359, AC005529, AC005919, AC005624, AC005600, AC004491, AL009181, AC006343, AC010205, AL031848, AC004961, AC005578, AC004953, D88268, AF001552, AL034429, AC002094, AC004552, AL049743, AC004889, Z97056, AC005940, AC008119, AL031666, Z82182, AL078463, AL050318, AC005156, AL021940, AC004687, AR036572, U91328, Z84484, AC005565, AC005244, AC005793, AC004125, AC007371, AC007057, AL049872, U52112, AF109907, AC004799, AP000346, AL022721, AF035397, AF003627, AC005509, AC006441, AL031228, AC005379, AC004025, AC005335, AC007537, AC003010, AL008583, AL109956, U82696, AC005332, AL031985, U12387, AC005841, U95740, U30518, AL031729, AF037338, U95743, AC004771, AL109657, AC012384, AC006316, AC009336, AP000501, AL133500, AP001063, AC004770, AC005538, Z85987, AC006486, and Z82190.
HCWED13	1040	573413	1 - 450	15 - 464	
HCWED61	1041	971865	1 - 469	15 - 483	AA995856, AL672210, T99719, AW148336, AI791144, AW440956, AW439999, AA907133, T05187, AI000677, AI678727, AA586390, AA767864, AA285156, H52303, AA018440, AL660071, AI270092, H91317, AA490072, AI798234, AC004876, AP000302, AL024498, AC005525, AL031280, AC003964, AP000046, AP000114, Z93241, AC005585, Z85997, AC007050, AF196970, AC000072, AF121781, AC006238, L77569, AC002302, AL050402, AC004623, AC005609, AF059321, AC007371, L13972, AC002563, AL022336, AL023878, AC005182, AP000501, AL034408, AC005067, AL050309, AC005358, AL035249, AC004703, AC006137, AF155238, AC007406, AC007955, AL133500, AC006270, AC005015, and AC004230.
HCWEE02	1042	920544	1 - 254	15 - 268	
HCWEE03	1043	924743	1 - 536	15 - 550	AA960780, and AC004542.
HCWEE07	1044	953731	1 - 398	15 - 412	

HCWEE22	1045	572960	1 - 338	15 - 352	
HCWEE74	1046	738264	1 - 305	15 - 319	
HCWEE76	1047	770169	1 - 277	15 - 291	
HCWEE83	1048	781302	1 - 213	15 - 227	
HCWEEF56	1049	573570	1 - 449	15 - 463	
HCWEEF91	1050	849919	1 - 281	15 - 295	
HCWEEF92	1051	573568	1 - 350	15 - 364	
HCWEEF95	1052	526766	1 - 422	15 - 436	
HCWEEG09	1053	523251	1 - 329	15 - 343	
HCWEEG23	1054	531421	1 - 395	15 - 409	
HCWEEG31	1055	693687	1 - 400	15 - 414	AP000323, AP000053, AP000121, and AP000168.
HCWEEG47	1056	574191	1 - 355	15 - 369	
HCWEEG51	1057	964642	1 - 290	15 - 304	AI828787, AC004983, AC004967, and AC006101.
HCWEEG69	1058	948693	1 - 234	15 - 248	
HCWEEG70	1059	881254	1 - 431	15 - 445	H30197, H79077, R79607, R81361, W15301, AI141202, AA176978, R18372, AA570224, R02744, AW029277, AA579368, AA492524, AA493628, R94876, AA831826, H72049, H73336, AW117723, AW117704, AI652371, AI312527, AC005940, AL022323, AC004912, AL117354, AC006139, AC009028, AC008009, AP000514, AC004638, AF001548, AP000701, AC004687, J00081, AC004854, AC000046, AC007014, AC007182, and AL035691.
HCWEEG86	1060	572980	1 - 357	15 - 371	
HCWEH27	1061	527050	1 - 391	15 - 405	AF077000.
HCWEH53	1062	967056	1 - 429	15 - 443	
HCWEH76	1063	574187	1 - 319	15 - 333	AA808851, AA650159, and AA654653.
HCWEH93	1064	933146	1 - 314	15 - 328	
HCWEH94	1065	667919	1 - 744	15 - 758	AI733856, AW069227, AA410788, AW340905, AI625604, AW021917, AW068596, AA916430, AI687343, AA574442, AA847704, AW328331, AI890324, AA643770, AI963720, AA833875, AA833896, AW237905, AW117740, AI669589, AW084445, AA610509, AI634187, AA669155, AL079734, AL046409, AA502991, AI679759, AI061313, AI753488, AI926728, AL079645, AA468505, AA535216, AW328000, AI345681, AW023111, AA847499, AA579179, AI345675, AI284640, AW029515, AL040374, AI457313, AA719073, AI817230, AI583142, AW438542, AL040054, AI040051, AW303196, AI590442, AA644090, AW021583, AI613280, AW069769, AA904211, AA702637, AI431303, AA602906, AW301350, AI345695, AI254779, AI732483, AI282479, AA297145, AA630854, AA714011, AW193265, AA228778, AW419262, AI587583, AI587565, AL135377, AI753113, AW327868, AL138455, AA224889, AL119691, AA665330, AI270117, AA455483, AA127426, AI247101, AL037632, AI923050, AI566408, AW023672, AI613389, AA904275, AI679294, AI891080, AL138265, AI267356, AI859438, AI732865.

AI281730, AI431513, AW327624, AI251576, AA053463, AI244127, AL042753, AI284543, AI610920, AA622801, AW265688, AA832016, AI368256, AW410844, AA832175, AI223626, AA526542, AA668455, AW270385, AI336054, AI250552, AA483606, AI361090, AL047349, T67090, AA402129, AI753672, AI267450, AI345157, AW004884, AI251034, AI890348, AA832145, AA570740, AW341903, AA526326, AI275982, AW407578, AA721645, AL038842, AI791185, AA828047, AA650053, AI149478, AA526625, Z83844, AC006468, AC005484, AP001067, AC005488, AC007191, AP000331, AC020663, AC005527, AP000172, AP000057, AP000125, AC005529, AC004675, Z98946, AL121576, AF088219, AP000513, AL049557, AL049795, U95740, AC005229, AP000688, AL022326, AC002369, AL031311, AC005701, AL022237, AC009248, AL080243, AC005696, AC002316, AC002126, AL117351, Z93930, AC005746, AL121653, AC004962, AC005519, AL023575, AC005837, AL022163, X14448, AC007308, AC007225, AC006312, AC003043, AC006057, AF053356, AL021368, AP000555, AC005722, AC004821, AC004644, AC005903, AC006479, AL133382, U91323, AC007666, AC005695, AC004477, AP000505, AC006138, Z95116, AC002463, AF207550, Z84487, Y14768, AC005829, Z97054, AC006274, AC000115, AC009946, AL030996, AL049758, AC007277, Z97632, AL031730, AC003029, AC006111, AC006512, AL078612, AC009336, AC004476, AC005940, AC006530, AC004491, Z82203, U78027, AC004593, Z98051, AC005730, AC006965, AC007285, AC008115, AC005841, AL121603, AC006211, AP001068, AP000115, AL035422, AC005822, AC004832, L44140, AL031291, AC004084, AC005600, AC003104, AL035455, AC004778, AL022320, AL034420, AB017602, AC005060, AJ011930, AL035071, AL139054, AF129756, AP000228, AC004030, AC005899, AC007546, AC005856, AL109801, AC007536, AC004841, AC005726, AL133289, AC007842, Z98742, AC004674, AC002991, AC005913, AF196779, AF015156, AP000140, Z84572, AC011504, AP000359, U95742, Z95114, AL135960, AJ131016, AP000343, AC005755, U66059, AC005089, AC004235, AC003101, AC019014, AC005844, AC008372, U07563, AC007686, AL034429, AC004967, L39891, AC005280, AC007216, Z97989, AJ009610, AC005102, AL049757, AL096791, AC005209, AL008723, AC004849, AC005821, AC005088, AC005081, AF165147, AC005412, AL021367, AB003151, AC005071, AP000088, AC005368, AC005358, AF165926, AC005154, AC005694, U62317, AC005777, AL133245, AC005619, AL050318, AL096701, AC004659, AC006050, AL096776, AC006208, AL022721, AP000692, AL023577, Z82188, AC003690, AL096757, AC002350, AC004061, AC005531, AD000813, AC004463, AC005776, AC004106, AC000052, AC004960, AC004985, AJ010597, AL034449, AC004686, AL031846, L47234, AL031680, L11910, AC004663, M89651, AP000501, AC011604, AL136295, AL031432, AC004542, AL109758, AL035684, AL049588, U91326, Z98200, AC006064, AC003663, AF111168, AL022318, AC007312, AC008101, AL031848, AC007228, AL022328, AL033397, AC005300, AF015148, AC006139, AC004858, AC002544, Z97196, AC004019, AC005323, AL035405, AP000509, AL109628, Z93020, AC005037, and AC006071.

HCWEI19	1066	948690	1 - 297	15 - 311	
HCWEI30	1067	666625	1 - 259	15 - 273	
HCWEI43	1068	573508	1 - 409	15 - 423	AC004950.
HCWEI45	1069	576852	1 - 110	15 - 124	
HCWEI78	1070	861918	1 - 338	15 - 352	
HCWEI80	1071	573534	1 - 207	15 - 221	
HCWEI83	1072	529351	1 - 287	15 - 301	AP000556, and AP000557.
HCWEI91	1073	529650	1 - 516	15 - 530	
HCWEI02	1074	920488	1 - 449	15 - 463	
HCWEI08	1075	959734	1 - 424	15 - 438	
HCWEI22	1076	954137	1 - 490	15 - 504	
HCWEI26	1077	576717	1 - 377	15 - 391	AA065131, AW008791, AW009265, AI805884, and AA065200.
HCWEI43	1078	573526	1 - 319	15 - 333	
HCWEI69	1079	757674	1 - 244	15 - 258	AI479011, and AI538122.
HCWEI91	1080	572857	1 - 434	15 - 448	
HCWEK59	1081	855734	1 - 331	15 - 345	
HCWEK74	1082	573134	1 - 542	15 - 556	AA601043, AA069366, AC007685, AC007284, AC004491, and AC007510.
HCWEK80	1083	574157	1 - 442	15 - 456	AP001052, and AP001053.
HCWEK84	1084	572843	1 - 241	15 - 255	AA630672, AI818231, AW303008, AA780682, AA732253, AW103927, H25921, AA092310, H51061, AA345064, AA768389, AI254980, AA588001, AA629872, N74747, C15060, H12383, AA551181, AA370455, AI344995, H93097, AA380354, AL133909, AW341978, AL138182, AA570797, AA722225, AI870197, AA372346, AA568198, AW022655, AL047429, AI014843, AI923052, AA705687, AA037715, F01503, AA531580, AI590485, AI311519, AI537772, AA583466, AI439828, AA630535, AI002744, AL045808, AL046156, AA584125, N71685, AA282820, AI205010, AA491681, AI888261, AA338544, AI278972, AI537538, F13749, AI907530, AW081296, AL038498, AI923333, AA593375, H18298, AW151022, AA483108, AA502991, R65651, AL037052, AI499301, AW162288, AW196053, AI636730, AA298319, AW021627, AI349849, AA308716, AA330772, AW276396, AW078909, AW131272, AI251576, AA838227, AA903253, AA573131, AI056046, AA092571, AA037725, AA515457, AA575911, H40324, AW317027, AI366993, T71474, AI124933, AA613761, W01639, AI289941, AI289942, AI955697, AI494539, AA626432, T77680, AI249473, AA716211, AA702098, AW104793, H81840, AI889566, AL135576, C18550, AI298061, AL096817, AC005019, AP000013, AC005752, AC007308, AC004910, D86992, D88270, AL109628, AC004797, U85195, AE000658, U95740, AC004051, AC000070, AC002288, AI109798, AC003104, AB023049, AP000512, AC011311, AC003101, AL133246, AC008169, AF107885, AC004933, AC006080, U40401, AC004674, AC005694, AP000505, AC004070, AC004596, AC003087, AC005207, AL023883,

					AL023281, AC005250, AC007842, Z98050, Z99716, Y18000, AL031670, AP000245, AB020870, AC008082, AL132985, D87675, AF109907, AC006211, AC004620, AC004911, AL031391, AC003977, AC002395, AL021877, AC005066, AL133312, AL022722, AP000253, AC005039, AC006070, AP000959, Z95116, AC005529, AC009509, AL031985, AL031289, Z82194, AC004855, AC006441, AP000553, AL080317, AC004216, AL035086, AC004526, AC003950, AL031283, AF020503, AC007253, AC004548, AC006116, AC005048, AF003626, AC004655, AC004595, Z97352, AC003664, AC007536, AC009411, AP000213, AC005730, AP000135, AP000155, U91325, AC004812, AL049647, U52112, Z83840, AC000004, AC004875, AC006322, AL109807, AC005324, AC004887, AP000031, AC002299, AC005874, AF134471, AC004985, AL009181, AC005037, AC004817, AL096794, AL049832, AC005500, AL049649, AC002528, AC004741, AL031286, AL031056, AL121603, AC006112, AC007406, AC004517, AC007688, AL049760, AF196972, AC005288, AF196779, AL035530, AL035467, AC012384, Z95152, AC002377, AL078583, AC004929, AC004033, AC005702, AC000389, AC003108, AL121653, AC007559, U82668, Z85996, AC005543, AC005578, AC010209, AC006930, AC006559, AC002563, AL031589, AC002041, AC004856, AC004815, AF088219, Z98946, AL034402, AC004455, AC008126, Z85987, AP000547, Z83844, AL034379, Z93016, AL021368, AL122023, AC003687, AF001549, AC005777, AL035398, AC006285, AC005234, AL035400, Z86061, AF205588, AP000036, AL079342, AC004858, AL078638, AC006313, AC006132, AL109801, AC004699, AL021978, AC006958, AC004622, AC000105, AF051976, AC002115, AL031259, Z84480, AL022326, AC002464, AC004087, AL034343, AC003682, AC007227, AL022323, AC000119, AC008039, AC004032, AL049856, AC005295, AP000244, AC008273, AC005043, AC000111, AC005412, AP000459, AL109613, AC003684, and AL022315.
HCWEK89	1085	861914	1 - 245	15 - 259	
HCWEL01	1086	916972	1 - 236	15 - 250	
HCWEL08	1087	881309	1 - 142	15 - 156	
HCWEL18	1088	827387	1 - 265	15 - 279	
HCWEL27	1089	572846	1 - 244	15 - 258	
HCWEL47	1090	523304	1 - 545	15 - 559	
HCWEL52	1091	577417	1 - 449	15 - 463	
HCWEL55	1092	572951	1 - 310	15 - 324	
HCWEL96	1093	529223	1 - 328	15 - 342	
HCWEM10	1094	968044	1 - 312	15 - 326	
HCWEM37	1095	573151	1 - 404	15 - 418	
HCWEM51	1096	920887	1 - 378	15 - 392	
HCWEN20	1097	529237	1 - 330	15 - 344	
HCWEN86	1098	573527	1 - 344	15 - 358	

HCWEP18	1099	913670	1 - 401	15 - 415	AW291681.
HCWEP34	1100	523238	1 - 436	15 - 450	
HCWEP39	1101	660232	1 - 459	15 - 473	
HCWEP40	1102	506759	1 - 278	15 - 292	F00112, K00650, AF1111167, AC006064, AC007055, AC006312, AC004777, AC004477, AP000023, AC005331, AL078472, AC004814, AC002347, AC007064, Z98048, AL034417, AL024507, AL024498, AC006548, AC004050, AC004934, AC005182, AC002546, AC002420, AC007790, AC006381, Z83840, AC005071, AF047825, AC005822, AC012627, Z82201, AC005944, AC005914, AL031005, Z84484, AL096791, AL031295, and AC006511.
HCWEP43	1103	921346	1 - 412	15 - 426	
HCWEQ01	1104	861910	1 - 288	15 - 302	
HCWEQ14	1105	908245	1 - 355	15 - 369	R16298, AA488261, R15246, AA325932, F08114, W46162, H08289, U69190, R12912, and AC002985.
HCWEQ15	1106	660520	1 - 285	15 - 299	AA583955, AA526342, AA810078, AA219115, AA714453, A1872020, AA661921, AA610491, AA775207, AA503600, R40056, F04987, A1243584, AA316905, A1963720, AA877817, AW080134, AA782304, F18423, AA491284, AA601492, AA362698, A1696962, A1561060, AA531079, A1251436, A1061334, AW070892, AA847499, AA491814, AA664909, AA581903, AA478355, AA259186, A1686267, AA808877, A1305766, AW270343, A119691, A1344844, AA501821, AA515231, AA828042, AA525824, R94721, AA468131, F18638, AA737150, A1247264, A1476312, F01314, AA364224, AA502720, AA634889, A1307608, AA533303, AW084252, AA715355, AW084198, T41259, AW196064, A1889923, AW276817, AA644551, AW265385, AW075511, AA935988, A1589230, A1821271, A1358343, AW265009, AA522642, AA372852, F23430, A1364809, AL038072, F19012, A1049634, A1247199, AW082492, AA623002, A1283911, AA320714, T74382, AA362348, AA653375, AA521323, AA834727, AA805815, AA521399, A1284640, AA343705, AW300625, AA362511, AA635067, A1623720, AA715255, AA715267, AA650376, AA078441, AW248819, AA934680, AA848134, AA749054, AA459749, A1635818, AA508034, AA502104, A1358431, AA662871, AA515549, A1708009, AA503154, AA604333, AA603185, F16127, F00440, AW089682, F17802, AA773902, AA604897, AA281461, A1702314, AA720746, AA320113, A1160117, A1064952, T07019, AW002350, A1270002, A1754336, AA678436, AW071163, AW023990, AL044940, AA493708, A1783494, AA532524, AA338486, AA773733, AA531186, AA513141, A1537944, AA559290, AA531372, AA493206, F00135, AA713626, AA502866, AA346458, AA503284, A1298710, A1245679, AA985455, T52733, AA478297, A1254316, AW274349, A1561255, AL079511, AA847012, A1469624, AA503119, AA664332, F16274, T06828, AW405114, A1860020, AA629992, AA533725, AA482711, A1246119, A1459768, A1151261, Z30073, H93893, A1110688, AW327868, AA394271, AA688036, H60639, AA074130, A1583283, F17555, AW150524, N62433, AA372481, AW075948, AA502963, AA514854, A1358236, A1355206, A1679045, A1859251, AA491862, N35602, AA594145, H63262, AA908468, A1890348, AL045053, AP001172, AL022322,

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HCWEQ27	1107	849860	1 - 406	15 - 420	
HCWEQ37	1108	849985	1 - 389	15 - 403	Z85996.
HCWEQ89	1109	529240	1 - 344	15 - 358	
HCWER22	1110	674807	1 - 214	15 - 228	T83652, N52834, AA010013, H52946, H64159, and AA703454.
HCWER37	1111	849916	1 - 368	15 - 382	
HCWER61	1112	574921	1 - 89	15 - 103	

HCWER81	1113	574167	1 - 454	15 - 468	M78967, and AL031733.
HCWES03	1114	921933	1 - 540	15 - 554	D87470.
HCWES06	1115	935862	1 - 135	15 - 149	
HCWEW45	1116	571355	1 - 193	15 - 207	AI862242.
HCWEW76	1117	861966	1 - 358	15 - 372	AA420421, AA420839, AW340887, T68865, AA706567, AA838190, AA363078, AA533315, AA484373, AA161177, AA161132, AA780541, AA338170, R54486, AI567402, C16659, AA356567, AA745507, AA487198, AA372887, T70121, AI914883, N74208, AI568683, AA934825, AW050400, AW328172, AW082559, AI758256, AA581099, AA648683, T52935, AA604048, F12561, AA365815, AA501614, AI291317, AW270784, AI524360, AA837560, AW3328050, H67805, AW328171, T47324, AW440837, AA071173, AA600741, AW083678, AA586866, AA320748, F01979, AW269488, AI053445, F28108, AI002744, AW081610, F08248, T65635, AA229127, AA744172, C15363, AA577732, AI827234, AA071132, AA744278, AL050332, AC005274, AC006101, AP000688, AF121782, AC000080, Z84469, AL021917, AP000044, AB003151, AP000691, AC006040, AC008282, AP000330, AP000295, AP000112, AC006572, AC006946, Z82899, AC001231, AC009405, AC005663, AF001552, AC005822, AP000171, AP000056, AC002300, U85195, D42052, AC004491, AC002425, Z84466, AE000658, AC005913, AC005253, AC001643, AC005387, AP000124, AL109653, AF109907, AC008981, AC006021, AC002565, AC002461, AC007350, AC006139, AC006486, Z98950, AC005393, AC006568, AF064861, AL133241, AC006305, AC005081, L31675, AL050338, AL096705, AL049569, AL035652, D26141, AC005358, Z81364, Z97196, AL034411, AC004132, AL009179, AL009031, AC002326, AC004993, AL135746, AC004617, AL135744, AC006006, AC007786, AC007766, AP000959, AC004197, AC005944, AC006557, U89387, AC005015, AL031846, AC007096, AC002098, U71148, AC003678, AL008636, AC002483, AL035460, AC003689, AL035690, AC004953, AC006146, AF207550, AC004472, AC005902, AF064857, AC004878, AC004448, AC003101, Z84480, Z96074, AC005839, AC005660, AL031589, AL096769, AP000953, AP000160, AP000128, AP000206, AC002066, AP000245, Z83820, AL008718, AJ133269, AC007298, Z68226, AC005512, AL096791, AC002110, AC004531, AB023048, AC005945, AP000511, AL035588, AC005011, AL035089, AP000687, K03021, AC010077, AL022476, AC002379, AP000126, AP000204, Z84487, AC005684, AC004859, AL132712, AC005412, AB017568, Z83840, AP000244, Z97832, AC005632, AC002347, AC006132, AF001551, Z93930, AL008730, AC005754, AC005484, AL021937, AL139054, AC005406, U50871, AC008545, AC004601, AC005089, AL021997, AC004151, AB020864, AL109627, AC006966, AC005548, Z95152, AC005082, AC006254, AC004383, AC005049, AL034429, AL050401, AP000884, U95742, AL031733, X90725, Z80897, AC003110, AL008719, J03071, AC006252, AC002550, AC005868, AP000152, AP000010, AL034423, AC006253, AC008062, AC009743, AC007262, AL022165, AC003081, AF047825, M63796, AC006023, AC006013, Z95113, AC007151, AC005486, AC004596, AL031681, AL031668, AC010206, Z69890,

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HCWEW77	1118	664922	1 - 416	15 - 430	AL020995.
HCWEX05	1119	928121	1 - 326	15 - 340	N87989.
HCWEX40	1120	574940	1 - 251	15 - 265	
HCWEX59	1121	709560	1 - 344	15 - 358	T56067, AA652057, AW248803, AA664148, AW249224, AA369477, AL138242, AA569187, AA584581, AA125788, AA828704, AI079667, AA834755, AA594725, AI168185, AW193500, AA179136, AA443390, F07193, AA516527, AL133723, AA365347, AA012897, H00934, F37169, T62975, AA503947, AA515346, AW406162, AA650271, AI889781, AI648558, AA502103, AA906889, N53150, AA904140, AA515435, AI678392, AA831388, AA364315, AA483223, AI801591, X06123, AC002350, X61109, AC007193, Z83845, AC005913, AP000967, AL022329, AF200465, AC006285, AC005215, AC005565, AC005537, L81693, Z83826, U78027, AC005071, AC007666, AC003035, Z82188, AC004973, AC006965, AC006006, AL035422, AL035695, AC005385, AC005962, AC006312, AC005365, AC005003, AC005324, AC006600, AC000052, AL034420, AF165926, AC005736, AF109907, AP000362, AP000553, AP000010, AP000152, AL132712, AP000555, AC004019, AC002472, AC000159, AL121603, AC007565, AP000348, AC006571, AB016897, AP000354, AC003038, AC005755, AL035690, AC002077, L48038, AC004263, AC000353, AL080317, AL031589, AL008582, AR036572, U91328, AB023049, AC002483, AF006501, AL133396, AL022721, Z99716, AL035494, X03272, AL022476, AC004797, AL049776, AL022323, AF196779, AP000692, AL035089, AC004909, AC005740, AC002312, AC006211, AL021453, Z98200, AL031447, AC005822, Z97184, Z73360, AC002349, AC002301, AL139054, AL009178, AC007115, AL035460, AL035417, AL035681, U62293, AC004813, Z82244, AL023553, AL050332, AC004865, AL080243, AC000039, AL022328, Z98946, AC007999, AF134726, AC020663, AL009179, AC007664, AL022313, AC002448, Z69705, AL109963, AF019413, AC006130, AJ003147, AL049780, AC006039, AC005043, AL031257, AC005211, AC005057, AL135744, AC005200, Y07848, AC005516, AC006538, AC006530, AP000162, AP000020, AP000087, AC005670, AL021366, AC005783, AC005911, AL023879, AC005212, AC004622, Z69651, AC007308, AC009516, AF111168, AC004754, AC005235, AC005304, AL035072, AC005527, AL050338, AC003085, AC005730, AC007842, Z83822, AC005281, AC007285, Z98048, AC007182, AC005081, AL133245, AL023807, AC008079, AL031685, AL050318, AL031446, AC004099, AC005041, AC005940, AL031668, AC005776, AP000557, Z97056, AC006441, AP000512, AL096829, AC002070, AP000030, AP000151, AP000226, AC005754, AC000026, AL022311, AC002402, AC016025, AC005544, AC007543, AF121781, AC007011, AC005274, AL008715, AC004890, AF091512, Z86090, AL031666, AL035692, AL008718, AC007537, AC007324, AC012384, AC006515, AL035659, AP000047, AC005829, L76568, Z98742, AC006057, Z85986, Z83844, AC005969, AL132777, AC002470, AP000173, AP000500, AL034548, AP000502, AC004463, AC018633, AC006946,

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HCWEX66	1122	731772	1 - 323		15 - 337	
HCWEY07	1123	953701	1 - 412		15 - 426	
HCWEY33	1124	702597	1 - 418		15 - 432	
HCWEY34	1125	954142	1 - 233		15 - 247	AC005911.
HCWEY84	1126	952692	1 - 458		15 - 472	AA598892, AA508036, AA525293, AA984829, AI918419, AI126277, AA172365, R22248, AI272052, AA360260, T94592, AL096701, AF196969, AF196779, AL031597, AL034417, AD000092, AL049757, AC006449, AF030453, AC002312, AC005088, AC002395, AC004150, AC005089, AC004216, AL031053, AF053356, AC006487, Z98051, AC005049, Z83851, AF109907, AP000555, AC006480, AL021578, AC006211, AC005081, AL031311, AC004382, AC006312, AC007308, AC005005, AL023553, AL049829, AL049631, AL121652, AL109801, Z95114, U85195, Z83826, AC007450, AC000134, AC004858, AC004841, AE000658, AL021920, AC005920, AC005067, AC007226, AC005702, AF111168, AC002546, AC002477, AL117344, AC004134, AC005184, AF001549, AC000070, D87675, AP000553, AC005632, AC006511, AC004019, AL133243, AL050321, AL121769, AC004797, AC005778, AC007999, AC005808, AJ229041, AC007193, AL023653, U95742, Z82203, AC007371, AC006111, AC000353, AL035422, AL009181, AC006360, AC005839, AC005480, Z95152, Z94056, AC005399, AL021394, AP000512, AC005015, AF017104, AL020997, AL121578, AF003626, Z86090, AC005914, U78027, AL050341, AC005609, and AL022238.
HCWEY88	1127	785508	1 - 321		15 - 335	H44471, AI246061, AA161305, AA224525, AA555143, AA664248, AW270429, AI860535, AW270351, AI223626, AA135868, AW019964, AI054090, AI278972, AA565911, F32248, AI284543, AI254770, AI251944, H09639, AI251034, AI251203, AI251284, AI250552, AI251241, AI249853, AW265149, W32993, AW151870, AW058430, AI053934, W63553, AI053597, AA862312, T03928, AA487209, AW303098, C15504, AA340153, C14796, AA832152, H47368, C14627, Z95116, AC010206, AC005913, AF118808, AC005844, AC004662, AC006360, AC006313, AC004465, AL034400, AC004815, AC002365, AC004984, AL034549, AC007676, Z95118, AC008009, AL009181, AC005565, AC002465, AC005841, AC006388, AL031665, AL033397, AC007276, AC007028, AC008041, AC005746, AC002312, AF196969, AC004799, AL135746, Z97630, AL050318, AC005291, AC005288, AC005207, AC002369, Z94801, AC006121, AC002425, AF129756, AC003959, D88270, AL022162, Z94056, AC005237, AC005519, AC006352, AC002041, AL049745, AC005856, AC005041, AC005666, AC006130, AC005632, AL096701, AC004963, AC005015, AC005488, Z93017, AC009946, AC006359, AC005740, AC006241, AC004813, AC007263, AP000555, AL034418, AL117354, AC002287, AC005736, AC008044, L29766, AL080242, Z83843, AL035683, AL021878, AC005696, AL049539, AL121825, AC004150, AC004941, AC004895, AL023284, AC004185, AP000475, AC004686, AL031651, AC004033, AJ011930, Z98950, AL035405, AL021807, AC004386,

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HCWFA14	1128	925301	1 - 479	15 - 493	T61555.
HCWFA65	1129	573193	1 - 236	15 - 250	
HCWFA88	1130	578943	1 - 365	15 - 379	AP000126, AP000204, and AP000244.
HCWFA89	1131	574370	1 - 257	15 - 271	AC002039, AC002045, U91326, AC002544, and AF001549.
HCWFC05	1132	932194	1 - 360	15 - 374	AC007283, and AC008179.
HCWFC17	1133	573186	1 - 367	15 - 381	Z98744.
HCWFC65	1134	883787	1 - 340	15 - 354	
HCWFD07	1135	953700	1 - 571	15 - 585	
HCWFD19	1136	574915	1 - 267	15 - 281	
HCWFD29	1137	573381	1 - 210	15 - 224	
HCWFD47	1138	671946	1 - 300	15 - 314	AI799197.
HCWFD64	1139	954575	1 - 363	15 - 377	T81407, AC006942, and AF064861.
HCWFE06	1140	935856	1 - 379	15 - 393	AA663467, and AA663457.
HCWFE18	1141	573445	1 - 99	15 - 113	
HCWFF41	1142	849978	1 - 135	15 - 149	
HCWFF88	1143	506577	1 - 304	15 - 318	
HCWFI65	1144	578936	1 - 386	15 - 400	
HCWFI72	1145	856908	1 - 625	15 - 639	AA594971.
HCWFK16	1146	849988	1 - 187	15 - 201	
HCWFK20	1147	575696	1 - 225	15 - 239	
HCWFK35	1148	916795	1 - 540	15 - 554	AA491175, and AC003957.
HCWFK57	1149	861907	1 - 314	15 - 328	
HCWFK73	1150	761655	1 - 304	15 - 318	AA093114, AA523695, AA487226, AL364568, T62078, AI869786, H95822, AI686470, H81700,

					AA214042, AA297006, AA021561, AA056250, H69992, F34939, C16358, H45698, T94394, AA582746, A1697242, AA225004, A1371722, A1003444, AW264391, A1866580, A1697239, W81372, A1697235, AA558366, A1355246, AA564800, H64715, H68379, AA668587, A1973173, AA828476, AW019964, H29241, A1279417, AW419389, A1367551, N25079, AA243976, H29914, AA568314, AA378489, AL031591, U47924, AC004841, AL008730, AC005015, AJ010770, AC003037, AC001228, AL133243, AC005839, AC004999, AC005726, AC005694, AC002470, AC006449, AC005520, AL049872, AC005736, Z84466, AL009181, AL049795, AC005480, L44140, AC007263, Z97055, Z98950, AP000692, AF152365, AC006360, AC003663, Z73359, AC002544, AC007308, AF196779, AC006241, AL132987, AL031848, AL049874, AC005519, AC004832, Z86090, AC005399, AC006045, AC007066, AC005088, AC005412, AC004476, AC002302, AC004033, AC005529, AC004765, AC005486, AL096701, AL032821, AC005684, AC004232, AC004921, AL139054, Z98036, AP000354, AB026898, AC004816, AC007637, AP000300, AL096791, U80017, AP000010, AP000045, AL031295, AC000079, AC009784, AL109827, AL080243, AC004522, Y10196, AL035420, Z99716, AC007057, AC005071, AL133448, AC004783, AC002432, Z84469, AC002395, AC004216, Z97632, AL133246, AC004770, AC006020, AC003086, Z83844, AC007179, AL031864, AC002073, AL031589, AC004019, AP000043, AP000111, AP000049, AC004518, AP000557, AC002563, AC005821, AC007390, AP000066, AP000113, AC006088, AC005102, AC004217, AC007363, AL121840, Z99127, AP000503, Z97053, AP000311, AC005488, AC005049, AC003029, AC004381, AP000553, X55448, AC004967, AC004659, AP000689, AC002996, AP000356, AC006111, AL024498, AF134726, AL022326, AF165926, AL008729, AL034549, AL121658, AL031667, AF111168, AC004687, Z98742, AC004813, AC005324, AC004223, AP000961, AC005899, AF196969, AC006487, AC006013, Z97181, AL022721, AF060568, AC006021, AC005089, AC005081, AC003108, AC005566, AC004797, AC006387, AJ011930, AL035685, Z73417, AC005793, AC005280, AC012384, AF024533, AP000552, AL035681, AC003982, AL031659, AC007114, AC005386, AL035249, AL035683, AC004901, AC005971, AC000378, AC005562, AC008372, AC004099, AC005225, AC002351, AC004253, AL008707, AC000025, AC005740, AC000353, AC009509, AC006254, AC002492, AC005527, AL049694, AL034421, AC009516, U63630, AC005746, Z95152, L78833, AB023048, and AL031291.
HCWFK91	1151	954008	1 - 315	15 - 329	L44321, AL096867, AL022154, AC007567, AL034402, and AC004853.
HCWFL10	1152	964853	1 - 317	15 - 331	AL031673.
HCWFL31	1153	953579	1 - 186	15 - 200	AA579235.
HCWFL45	1154	577950	1 - 402	15 - 416	
HCWFL78	1155	529218	1 - 288	15 - 302	
HCWFL86	1156	523359	1 - 417	15 - 431	Y13758.
HCWFL94	1157	575522	1 - 290	15 - 304	N21434, AA126969, AW069769, AA551548, AA640563, A1031759, AA664248, A1300507, A1183392, F31670, AA507623, AA219166, AA837771, A1567676, AA648605, AA558402.

AA558716, W00479, AI521019, AI538404, AI884404, AA774169, T57096, AA846046, AW271071, AA225630, AA657808, AI251024, AW407679, AI872229, AA715508, R12600, AI281622, AI803824, AI241851, AI267356, AI926093, AW023975, AA364082, AI754257, AI801479, AA984891, T41134, AW243817, R33053, AI961232, AW085811, AA349923, AA602939, AI520984, AA987703, AW268793, AW439224, AI267450, AI065031, AI921744, AI745666, AA018923, AI032411, AA533011, AA364147, F35684, AI732911, AI185394, AA507990, AI252726, AW406139, R95751, AI174827, AI668566, AA309287, AA808842, AI469564, R33588, AA873661, AW157128, AI274691, H49749, AA633068, AA012829, H79323, AI039257, AA640305, C14724, AW022796, AA601712, AI733523, AI038029, AI434103, AI828742, X84712, AA630122, AI708565, AA367920, AA338238, AW021674, AI888852, W02419, AA730530, AF075069, AF129756, AL035587, AC005399, AF165926, Y18762, Z83845, AC005015, AC005089, AC004099, AC005730, AL133163, AL049591, AC005837, AC005828, U02057, AC006544, AL080317, AC005531, AC000039, AL020997, AL035445, AF196972, AF030876, AC007371, AC007051, AC007919, D42052, AC004053, AB023051, AP000116, AP000505, AC005105, Z98946, AC005821, AC006543, AB033024, AL136295, AC006006, AC006581, AL050320, AP000512, AC007226, AC005069, AL031848, AC004678, AC004668, Z83844, U78027, U91326, AC002544, AC006538, Z69366, AC007878, AL035422, AC007462, AC002306, AL096761, AC020663, AC005694, AJ246003, AP000513, AC006953, AL117258, AD000092, AL078477, AF207550, AL109798, M89651, AB023049, AC007536, AL049636, AC003042, AC008372, AC005993, AL022336, AC006599, AC007687, AL121658, AL031721, AL049829, AC006062, AL008735, AL035086, AC000134, AL034548, AC006388, M81890, AC005527, AJ251973, AC002369, AC006511, AC009516, U26425, AC004234, AF111168, AL031575, Z97630, Z98884, AC007899, AL031311, AC006121, Z98200, AL132712, AC005037, AB023048, AC005519, AC007277, AP000511, Z84480, AC007314, Z81369, U63721, AC004592, AC004073, AC007934, AF031077, AF134726, AL135783, AL035450, AL031295, AL079295, AC008044, AC006241, AC004257, AL049569, AL096699, AL049759, AC006088, Z95114, AL021707, AL023801, AF031078, AC005565, AC005952, AL035413, AL035652, AC016027, AC007227, AL034421, U91322, AC009248, AL008731, AC002492, AC005747, AL034553, AL031680, AC005759, AL109628, AC006211, AL031657, AC005529, AC004381, AL121934, Z73979, AC005695, AL022318, AC005390, AL109847, AC006162, AC005207, AC004953, U07563, D16583, AC004460, AP000256, AL008718, A65971, AC005261, AJ003147, AC006946, AC005365, AL135744, AC005031, AL022333, AC002310, D16517, AC006261, AB000882, AC005280, U24498, AL031903, Z68756, AL022476, AC007688, AC009498, AC002364, Z95116, AC004019, AC004814, Z83840, AC002991, AC004844, AP000510, AC004797, AC004477, AL133448, AC005778, AF076450, AC004975, Z84469, Z98051, AC005682, AL035045, AL035455, AC000075, AC000084, AC004703, AC006369, AC004673, AC006449, U80017, AC004897, AC007773, AC004130, Z82182, AL008628, AL122020, AC005325, AC006064,					
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HCWFM01	1158	916803	1 - 217	15 - 231	AC008115, AC004883, AC002400, Z93017, AL122023, Z69713, L78833, AC002036, AP000098, AP000099, AC005911, AC005375, AC005755, AL031284, AC004148, AC007450, AC004997, AP000275, AC002994, AC016830, AC004686, AL109613, AC007016, AC005046, and AC005914.
HCWFM11	1159	959457	1 - 365	15 - 379	AA054176, AI669046, AA385798, R79698, AC003688, AP000096, AP000240, AL020997, AC006946, AC005070, AL096794, AL049849, AL079340, AL109914, AC019014, AL049646, AF111169, AC007073, AC005071, AJ251973, AP000549, U82694, AF001549, AC005684, AC006953, AC004517, AC003065, AC005865, AC005033, AC005389, AL034406, Z98200, AC007842, AP000512, AC006544, Z82249, AL078583, AC005699, and AC010168. AA640305, AA156183, AI754257, AA631915, AA720732, AW083707, T71936, T58395, AI869455, AA862243, R68249, AA129133, AA883595, AA747469, AI241761, AW021105, AW023167, AI207424, AA804726, AA936746, AJ230815, W01344, AI744199, AI763234, AA324242, R76686, AA776899, AA664963, AL135357, AL044701, AA593537, AI984742, AI917132, AW072963, AI307563, AC002470, AC004841, AC002094, AC005399, AC007066, AC005207, AF111169, AC004820, AP000240, AC005049, AD000092, AP000096, AL135744, AC003684, AC008018, AC007263, AC005529, AC005300, AP000011, AF001548, AB003151, AL035423, AC006511, AC007312, AC004707, AL031670, Z93017, AC005088, AC007371, AC006241, AL031293, AL022721, AF111168, AC004167, AC005295, AC002369, AL049653, Z99127, AC004234, AC004859, AC005736, D00591, AC005251, AC003043, AL021397, AF129756, Z98884, Z93930, AC006509, AF165926, AP000322, AC002375, AL049839, AC006121, Z84480, AC005071, AC007774, AC007395, AC006001, AC005224, AC002377, AC004076, AC004922, AL033524, AC000159, AP000361, AC004129, AL132987, Z84469, Z82246, AF053356, AP000153, AC005231, D87008, AC004477, Z97056, AF196969, AL035458, AL133246, AC002351, AP000053, AP000121, AP000557, AC007277, U29895, D87012, AL022336, AL049538, D88268, AC004263, AC004583, AP000065, AP000280, AP000030, AC002477, AL034429, AC005253, AC006166, AP000215, M57678, Z98304, AC005370, AP000505, AE000658, AC005632, AC005070, AC005821, AL031311, AC004762, AC003982, AC005772, AC007308, AF176815, AP000107, AP000039, AC007993, AL109839, Z99943, Z73420, AC007228, AC002060, AL096791, AP000556, Z86061, AP000497, AL049557, AC008038, AP000558, AL031733, AL035420, AC005856, AF024533, AC006530, M63543, M63480, AC002400, AC006455, AC005519, AC007565, AC006077, AD000812, Y11107, AC007537, AC004805, AC005919, AC005940, Z69713, AC002301, U85195, AC006254, AF038458, AC004491, AL023096, AL078463, AC005755, AC004815, AL035249, AC007676, AP000694, Z93016, AL033521, M63544, AP000348, AC002563, AC005875, AC005726, AC006160, AL049776, AC009516, AP000038, AP000106, AL031284, AC004472, AC007664, AC004851, L81692, AC005023, Z92542, AC006376, AL035462, AP000228, AC005520, AL034419, AC004799, AL035587, AC002395, and AL031681.

HCWFM16	1160	678627	1 - 368	15 - 382	W07244, H81645, H87712, Z18338, A1627848, AL022476, AF128536, and AF128535.
HCWFM26	1161	677348	1 - 356	15 - 370	AL021918, AC003070, Z93017, AL022316, Z97876, AC008079, AC004228, AL109827, AP001054, Z81370, AC008018, and AC004678.
HCWFM43	1162	715387	1 - 88	15 - 102	
HCWFM59	1163	757660	1 - 338	15 - 352	
HCWFM60	1164	740470	1 - 410	15 - 424	
HCWFM65	1165	849957	1 - 252	15 - 266	A1349018, AC006512, Z85987, AL117338, AC005920, AC003982, AL031681, AL050318, D87675, AC005233, AC007226, and AC008072.
HCWFM77	1166	706488	1 - 152	15 - 166	
HCWFEN14	1167	680404	1 - 351	15 - 365	AL134393.
HCWFEN22	1168	674750	1 - 381	15 - 395	
HCWFEN37	1169	576547	1 - 255	15 - 269	
HCWFO01	1170	916814	1 - 357	15 - 371	AI657485, N83963, N88177, N87188, N83707, AR018815, U39066, U48696, AF045432, AJ243486, U48697, AF102850, X99060, AF001863, AF061744, X99056, X99052, Y16299, X99058, X99051, AF011573, and X99055.
HCWFO02	1171	920416	1 - 372	15 - 386	
HCWFO20	1172	577709	1 - 303	15 - 317	
HCWFO24	1173	664581	1 - 328	15 - 342	
HCWFO30	1174	692814	1 - 316	15 - 330	
HCWFO40	1175	913855	1 - 407	15 - 421	
HCWFO51	1176	725756	1 - 72	15 - 86	AC002540.
HCWFP21	1177	531288	1 - 442	15 - 456	
HCWFP27	1178	927700	1 - 287	15 - 301	
HCWFP47	1179	849893	1 - 398	15 - 412	
HCWFP71	1180	933211	1 - 341	15 - 355	T65964, R01423, R01424, R05277, R44699, R51780, R44699, H11322, H13859, H13911, H21393, H22117, H45982, H98744, N37080, N62715, N93640, W60228, W76544, W87768, W90518, AA010775, AA011055, AA029083, AA029084, AA036822, AA057660, AA082814, AA101057, AA130702, AA132788, AA147813, AA151511, AA173298, AA187994, AA192370, AA243010, AA250948, AA521284, AA535404, AA594843, AA603875, AA627091, AA662313, AA721002, AA761271, AA826710, AA865743, AA975254, AA995525, C05796, AA206634, AA654116, AA283178, AA291958, AA291959, AA452464, AA628258, AA634632, AA447651, AA777137, AA812493, AA835567, AA846451, AA852494, A1003962, A1084740, A1094339, T23658, Z41681, F03361, F03690, F09370, A1245866, A1251909, A1280679, A1202164, A1474105, A1524387, A1540076, A1479426, A1498061, A1566416, A1582492, A1127570, A1187378, A1191272, A1279638, and A1587165.
HCWFP81	1181	576363	1 - 306	15 - 320	

HCWFR11	1182	967266	1 - 170	15 - 184	
HCWFR83	1183	721373	1 - 450	15 - 464	
HCWFS22	1184	971566	1 - 365	15 - 379	AI830563, AI675015, AI634079, AI766110, AI924352, AA506986, AI419874, AA417050, AI582146, AW302226, AI653982, AA707615, AA947674, AI824293, AA417181, AA923538, AI367252, AA344961, AW418521, AA559136, AI253198, AI028337, AA835007, AI367250, AI081854, AW136460, TI2625, AI873313, AA879191, AW087636, AI207096, AW087600, AA904762, and AI198471.
HCWFS65	1185	572953	1 - 238	15 - 252	
HCWFT29	1186	690751	1 - 357	15 - 371	AL041375, T52772, AI572680, AW275432, AI801563, AA493464, AA810158, AW238575, AA601376, AA355367, AA515924, AA595661, AA484892, AW084173, AI251024, F01666, AW089625, AI355246, AI797998, AA526413, AA525807, AA019973, AA128511, AA602971, AI927275, AA199582, N90244, AA559241, AI002950, AA604601, AA640305, AI760835, AA367672, AA503298, AA397355, AL043719, AI973173, AA013168, AA313025, AW270768, AW272815, AI609972, AA515905, AW238016, AA112187, AI246796, AI935827, AA714011, AA228778, AI345157, F01532, AA513122, AW302903, AW275719, AW105463, AL048925, AI283938, AW238712, AI056177, AW419389, AI678468, AA420787, AW193493, AA657835, AW179316, AA837646, T48723, AA904275, AI926909, AI803809, AW020088, AA610784, AW023390, AI923052, AA079421, AA225392, AC003041, AL049830, AL031433, AC004797, AC005740, AC009516, Z83838, AC002119, AC005940, AC005920, AL023281, AC005261, AC012627, AC005821, AC005899, Z94056, AL035587, AL031432, AC004859, AC004019, AL034423, L05367, AC008124, AC005037, AL022336, AC004895, AC003098, AC003109, AC005822, AC005529, AP000066, AP000556, Z99570, AC020663, AC004408, AP000116, AB000882, AC005387, AL109627, AC007666, AL031390, AC006254, AC004623, AC004448, AC002347, AP000503, AF134726, AL031577, AC004686, AL049636, AC005486, AC004596, AC005971, AL022721, AL139054, AC002551, AC005523, AC005358, AC005527, AL121754, AL035684, AC004034, AC005913, AC006071, AP000049, AC007536, AC005902, AC006285, AC007216, AC005703, Z95114, U78027, U91326, AC006011, AC006449, AP000311, AC002059, AC005839, AP000512, AL049795, AL049766, AL049793, AC003956, AC005288, AL049709, Z98200, AC002511, AC004242, AL117694, L44140, AC005914, AL049692, AC003030, AF111169, AF111168, AL022311, AF045555, AC004526, AC005399, AC004167, AC004878, AC007227, AL035422, AC004796, AC006511, AC002091, AC005104, AF031078, AC004821, AC005081, AC005004, AL033392, AC006057, AC004150, AC005318, AC002492, AC005722, AF030876, U62293, AC004882, AC004253, U63721, AC005736, AC006111, AC007225, AL035659, AC007030, AC000052, AC005695, AL022313, AF109907, AC002045, AL031393, AC000026, AC007395, AF141309, AL031282, AL034351, AC002544, AL022327, AC006270, AL121655, Z83840, AC005015, AL049872, AC004854, AL133245, AC005412, AC005799, AL022328, AP001053, AC002115, AL049643, AF003626, AI246003, AC006360, AC018633,

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HCWFT33	1187	959471	1 - 258	15 - 272	
HCWFT44	1188	935855	1 - 338	15 - 352	
HCWFT77	1189	739571	1 - 259	15 - 273	AI922362, AA130574, and AC004492.
HCWFT84	1190	542236	1 - 396	15 - 410	
HCWFT03	1191	921944	1 - 307	15 - 321	AW205685, AI698601, AA884459, N23262, AA552480, and AA905404.
HCWFT07	1192	861902	1 - 107	15 - 121	AC006501.
HCWFT19	1193	577315	1 - 536	15 - 550	
HCWFT32	1194	716340	1 - 473	15 - 487	
HCWFT64	1195	577888	1 - 364	15 - 378	
HCWFT66	1196	853005	1 - 392	15 - 406	AA745185, AI216430, AP000553, and AC009516.
HCWFT76	1197	576839	1 - 401	15 - 415	AA768179, AA368329, AA346867, AA348271, AW439810, AI278130, AI904944, T07285, AA558404, AW268090, AA229823, AI567391, AA228979, AW243945, AA279385, AA112924, N86484, F30586, AA297443, AA583579, AA078384, AI283938, AI421257, AA378489, T99020, AA564925, AA745297, AI273837, AA972523, AA372311, AI369076, R99613, N40907, AA581240, AA582746, AA559205, AI984168, AA367014, AW008184, F00458, M62257, AA424249, AI299442, AA449468, AA581185, AI016192, AI932871, T62078, AA229422, AA160427, AA484892, W26972, AA515172, AA385775, AA583568, AA372389, AA354695, AA838098, AI003391, N92697, AW194046, AI889426, AA523695, AA582350, AI859744, AA63713, C15362, AA356376, AW237905, AA831801, N77384, AA720582, AI915081, AW341955, AA573000, AA482792, AW328331, AA302978, AA728911, AA664248, D51809, AA610255, AA419225, AW341882, AA630854, AA502110, AA115865, AW272389, AI223968, AA634991, AW328330, AA488687, AA832016, AA661883, T40550, AA503307, AA354677, AW265688, AW151247, AI354333, AA584765, AA837771, AI146266, AA352521, AA838161, AW249720, T47138, R98409, AI859438, AA427808, AA481811, W02749, AL041895, AA515939, AI123488, F17537, AA669747, AI927275, AA810837, AA425924, AW264998, AA678616, N52276, AA364988, AI537800, AA329535, AI187148, AC005538, AC004098, AC002066,

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HCWFU83	1198	574864	1 - 515	15 - 529	T71420, H65742, R17043, R53388, N39910, AL031295, and AL049675.
HCWFFV16	1199	849953	1 - 381	15 - 395	
HCWFFV21	1200	849905	1 - 349	15 - 363	
HCWFFV25	1201	733993	1 - 535	15 - 549	R92125, T98334, AL424340, AA632445, and AC004749.
HCWFFV32	1202	960099	1 - 247	15 - 261	AF001550.
HCWFFV34	1203	577896	1 - 456	15 - 470	AA488048, AW007822, AC005244, AC004673, AL080241, AC004075, AC002412, AC004388, AL132668, AC005100, AF117829, AL022158, AC004585, Z95152, AL022310, AC004478, and

							AC000114, AC007680, AC004014, AC007655, AC006313, AC007115, Z80771, and AL035464. N64515.
HCWFFV37	1204	575715	1 - 408			15 - 422	
HCWFFV50	1205	723666	1 - 433			15 - 447	
HCWFFV69	1206	527087	1 - 410			15 - 424	AC004007.
HCWFFW51	1207	671807	1 - 493			15 - 507	AA911986, and AP001055.
HCWFFX23	1208	675902	1 - 332			15 - 346	
HCWFFX30	1209	825920	1 - 322			15 - 336	
HCWFFX44	1210	703028	1 - 503			15 - 517	N51043.
HCWFFZ30	1211	692719	1 - 310			15 - 324	AL119853, and Z69304.
HCWFFZ56	1212	733414	1 - 294			15 - 308	
HCWGA27	1213	861968	1 - 325			15 - 339	AI880278, AW276156, AI983646, AA877596, AI887774, AI347477, AI673036, AI458241, and AL022237.
HCWGA32	1214	699272	1 - 331			15 - 345	
HCWGB61	1215	733105	1 - 487			15 - 501	L44329.
HCWGB64	1216	578734	1 - 158			15 - 172	
HCWGB78	1217	861843	1 - 380			15 - 394	
HCWGC02	1218	917348	1 - 321			15 - 335	
HCWGC50	1219	772358	1 - 399			15 - 413	
HCWGD20	1220	906973	1 - 373			15 - 387	AI636734, AA557982, AA715527, AA715344, AA284247, W02749, W63553, AA715284, AI923360, AA557136, AA742815, AI929298, AI929825, AL120543, AL039930, T47138, AW157180, AI291419, AW403829, AA401921, AI571866, AA219349, AI368873, AC006141, AC004257, AC005317, AC005071, AL031123, L78810, AC004542, AC007216, AP000501, AC007052, AC006449, AC003665, AC005531, Z85987, AC007637, AL008726, AC007546, AF001548, AC007686, AC004821, AL031295, AC005529, AL135744, AC000353, AP000313, AC005911, S45332, Y10196, AC004825, AP000050, AF196779, AI251973, U95740, AC005088, AC004797, AP000117, AF134726, AC006581, AC006211, AC005696, AP000557, AC006946, AC004638, AL050342, AC006130, AC005484, AC000025, Z84718, AC004890, U78027, AL078593, AC003070, AL033375, AC006360, AD000092, AL035422, AC007690, AL049874, AC009516, AL050327, AC005015, AC006251, U91326, U95742, AF045555, AC006241, Z99495, AC002310, AC006480, AC004531, AL031733, AP000350, AC005261, AC020663, Z98884, Z98941, AC006121, AC005081, AC006084, AP000302, AC004820, AC006160, AL109628, AP000558, AC005102, AC006487, AP000352, AC002416, AC004765, AC002425, AC005189, AP000114, AP000046, AL078477, AL035684, AC005920, AC007376, AC005740, AC002544, AC004876, AC010582, AL031680, AP000503, AC002477, AL133246, AC007041, AC005324, AC007880, U47924, AP000065, AC009405, AL022240, AC005027, AC006539, AC004983, AC004832, AC005919, AL031311, AC004815, AC004448, AC003002, AC007738, AC007225,

HCWGD33	1221	849909	1 - 327	15 - 341	AL121655, AC004000, AC004927, AC004933, AC008044, and AC006080.
HCWGD66	1222	496411	1 - 264	15 - 278	
HCWGE12	1223	967067	1 - 364	15 - 378	
HCWGE22	1224	727967	1 - 328	15 - 342	AA330772, AW022897, R79496, AA188940, H12383, AL038971, A1339974, AA370455, AL031584, Z98941, Z97055, AC004815, AC005015, AC004584, AL022165, AC005952, AC004491, AC000134, AC005821, AJ003147, AC004876, AC004966, AC005102, AL031276, AC003690, AC007842, AC004552, AC006071, AC006285, AC005280, AC005300, U07563, AL035071, AC002045, AP000692, AL049757, AC002299, AC006953, AC005048, AC008044, AC005527, AP000513, AC004926, AC007151, AC016830, AB023049, AC004526, AL121578, AC005529, AC002470, AC006312, Z85986, AC007993, Z84469, AC002558, AC004638, AC005726, AL031279, AF111168, AC004967, AC004832, AL020997, U91326, AC007541, Z82208, AC004263, AJ229042, AC000025, D84394, AC016025, Z96074, AC005519, AC007041, AL034429, AC007308, Z95115, AC006252, AL031311, AJ251973, AL035659, AC005011, AC004167, AC006251, AL035089, AC005899, AC002544, AL096702, AC002365, Z98946, AC004770, AC006121, AL132712, AC004945, AC007421, AF064861, AC006530, AL031291, AC006946, AC006211, U80017, AC000359, AP000346, AF128525, AP001054, AC000357, AL009181, AL035450, AL009182, AL133500, AL031228, AC005081, AJ010770, AF001552, AC008372, AL022722, AC006388, AC006023, Z97053, AC004228, AC002565, U52111, AC006120, AL035681, AC006450, AL049872, AL049636, AL034555, AL035415, Z99128, AL035587, AC006040, AC006115, AC002070, AL022238, AC006324, AC005940, AC016027, AC004687, AP000252, AP000211, AP000133, AP000167, AC004216, Z82201, AP000689, AL008726, AP000558, AC004887, AC005874, AF134471, Z93930, AC005993, AC003108, AC006006, AF038458, AC007676, AC002301, AC006012, Z82178, AC009247, AC006544, Z98304, AL021878, AC004953, AP000031, AL021546, Z83845, AC005180, AL049779, AC005800, AC005480, AP000694, AC002059, and AC004217.
HCWGE23	1225	853004	1 - 453	15 - 467	
HCWGE25	1226	657236	1 - 363	15 - 377	
HCWGE39	1227	705403	1 - 58	15 - 72	AI811654, and AI032916.
HCWGE47	1228	925105	1 - 429	15 - 443	AC004072.
HCWGE53	1229	728249	1 - 342	15 - 356	T47041, and AC010385.
HCWGE65	1230	720349	1 - 348	15 - 362	
HCWGE73	1231	757333	1 - 198	15 - 212	
HCWGE78	1232	527557	1 - 325	15 - 339	
HCWGE92	1233	792722	1 - 273	15 - 287	AL117411, AF109126, and X99338.
HCWGF06	1234	935492	1 - 398	15 - 412	

HCWGF71	1235	960089	1 - 436	15 - 450	AC008055.
HCWGF74	1236	529235	1 - 231	15 - 245	
HCWGF75	1237	682351	1 - 347	15 - 361	
HCWGF76	1238	752789	1 - 321	15 - 335	AA719214, and AA716020.
HCWGF91	1239	754244	1 - 141	15 - 155	
HCWGF92	1240	861865	1 - 293	15 - 307	AW166641, AI049676, AA774098, AI668994, AI336771, AW069227, AI634187, AI457313, AA837325, AI018726, AA318652, AL037777, AL044712, AI252726, AA525332, AI369076, W26972, AI241637, AL044177, AA484651, AA598605, AI243793, AI679045, AL120004, AA588353, AA487209, AA376358, AL039761, AI017733, AW270429, T53133, AW270351, AC002381, AP000959, AC004908, AP000070, AP001053, AL078581, U89335, U52111, U85195, AE000658, AC007221, Z73913, AL049828, AC007214, AC004617, Z95152, AP000168, AL031685, AC007934, AC004584, AC005829, AL049589, AF111167, AC005587, AL109837, AL035089, AC003950, L11910, AC004787, AL121757, AC000081, AP000501, AL022345, AL022163, Z83838, AC004859, Z81010, U78027, AC005921, AC005625, AC005822, AP000251, AC009405, AL049699, AI011930, AC002091, AC003973, AC008101, AC005873, AP000030, AP000507, AP000557, AL035071, AP000555, AC006115, AC005225, AB002353, AC004796, AC006515, AL034418, AC002565, Z84474, AL021397, AC006541, AC005391, AF165141, AC003002, AC005231, AP001054, AC002543, AC005237, AC005920, AL022326, AB023049, AP000512, AL109613, AC009275, AC005666, AL049759, Z81370, AC004912, AL035422, AC005755, AP000503, AL023553, AF134726, AL031391, AL035587, AC002314, AC006277, AD000671, Z86063, AC003030, AL022320, AC004001, AL031282, AC004685, AC004466, AL009174, AC004876, Z97054, AC004812, AL096791, AL031427, Z98200, AC005184, AP000553, Z83844, and AC005089.
HCWQ07	1241	849889	1 - 388	15 - 402	
HCWQ39	1242	849891	1 - 575	15 - 589	
HCWQ62	1243	916454	1 - 349	15 - 363	
HCWQ71	1244	710828	1 - 371	15 - 385	N88113, N85682, N86592, AA092643, AA091872, and AA096089.
HCWQ80	1245	529242	1 - 319	15 - 333	
HCWQ84	1246	853106	1 - 388	15 - 402	R51952, and AC005214.
HCWGR34	1247	923577	1 - 363	15 - 377	
HCWGR43	1248	734888	1 - 302	15 - 316	AA513238, AA526630, AI051037, AI243789, AI002810, AI051457, AA329659, AA064815, AA707879, F07155, AA362988, AI027056, AI002207, W03818, AI581486, T91561, AA657835, AW188427, R22496, R63562, H03144, AA578358, AA328676, AA503407, AA149724, AA297006, AF053356, AC005409, AF001550, AC010205, AC004895, AL031003, AC004851, AC006211, AL078581, AL020997, Z83846, U91318, AC003684, AC007685, AC004821, AC004098, AC005914, AC004796, AC005484, AC005919, AL049869, AC005243, AL133371,

					AL031657, U85195, U07563, AP000514, AC006539, AC005358, AE000658, AC002395, AC006571, AC005082, AC004242, AL008729, AC005399, AL035695, AC005237, Z84483, AC008154, AC007566, AF002223, AP000511, AC005632, AL022238, Z98742, AC008372, AC007041, Z82215, AC008038, AC005562, AC006960, AC000085, AL035684, AP000512, AC005779, AC005516, AC004019, AF001548, AC004000, AF064861, AL022396, AC005180, AC002400, AL034451, AL133163, AC005035, AL049833, Z93783, AL022718, L78810, U91323, AC004605, AC006050, AF196779, Z83843, AC004217, Z85987, Z99774, AC004167, AL096701, AF106564, AL031662, AC005483, AC004963, AC003070, AP000045, AL132992, AL022312, AF165926, AL050318, AL035086, AC004139, AC007225, AC003007, U80017, AL049795, AL080243, U95743, AL008718, AL031311, AC009509, AL049780, AC005725, AC002301, AC004386, AC006241, AL050348, AC000353, AC009223, AC004890, AL096761, AC004996, AC006023, AF030453, AC005531, AL049871, Z94044, Z69917, AC007376, AC005088, AC006480, Z98950, U52112, AL031431, AF205588, AL034420, AC004878, AC007919, AC005037, Z82172, AL121653, AF111167, AC002504, AL117355, AC007226, AC002350, AL023284, AC007993, AL034449, AC007199, AL109939, AC005736, AB020859, AF088219, AC004216, AC000159, AL121754, AP000509, AC016027, AC007537, AC005722, AL035091, AC016830, AC007055, AC006531, AC005529, and AC006055.
HCWGR47	1249	719518	1 - 251	15 - 265	AC007684.
HCWGR48	1250	690954	1 - 167	15 - 181	AL009177.
HCWGR69	1251	849946	1 - 422	15 - 436	T40338, AA657918, AW080134, F16127, F37169, AW265654, AA469451, AA984640, AA704643, AL041368, AL138242, AA491545, AA713767, F29989, AA649642, AI200051, AW023389, AA650434, H65428, AI355206, AA501809, AI061334, AA831388, AA525151, AW406659, AA847128, AA364224, F34795, AA601355, F23249, AA640979, AA156538, F33511, AA678436, AA491814, T63104, N27353, AA533725, AA513939, AA581903, AA649705, AA634238, AA747472, AA714453, AI824562, AA482711, AA310868, AI924251, AA604869, AA654979, AA847753, AA525406, AI963720, AA364315, AA507824, AA601892, M77895, AW104748, AW236342, AA503258, AL043721, AA703707, AA441788, AA310879, AW250970, AI963095, AI303008, W07122, M62272, AA457771, AA318652, AI982651, AA569075, AA470985, AI284640, AW088058, AI471464, F28776, F35673, H64777, AW272758, AA206935, AA604897, AA713534, AI918421, AA235575, AA768905, AI251002, AA708352, AI610159, AI344844, AA749274, AA371567, AI471487, N31557, AA515224, AA767376, AA347531, AA644551, AI962050, F27027, AI287651, AA626678, AA702614, AA745560, AA302732, AA644538, AA831599, AI287528, AI792287, AA425922, AA668578, AI653905, AA101689, AA513972, AW265294, AA523810, H22634, AA713762, AA100372, AA652057, AA603323, AI708009, AA713933, AI246796, AA469460, AA578017, AA613851, AI264743, AA573020, AA468022, AA640900, F23315, AA557879, AA369477, AI610920, AA683037, AI281697, AA143477, T49241, AW406447, AA632960, F36404, AA199660, F32808, AL119691,

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HCWGR76	1252	778293	1 - 399	15 - 413	N88601, AA247827, N84855, H58760, N84048, N83993, N84718, U39066, AF039698, AF032922, and S78798.
HCWGR88	1253	736056	1 - 202	15 - 216	
HCWGT45	1254	913730	1 - 691	15 - 705	N53076, T90911, D25951, AA650097, and AI801737.
HCWGT49	1255	527085	1 - 406	15 - 420	
HCWGT66	1256	531374	1 - 448	15 - 462	
HCWGU11	1257	967064	1 - 650	15 - 664	AA913734, AI056453, and AW194191.
HCWGU49	1258	674752	1 - 227	15 - 241	AA947385, AA468583, and AC005214.

HCWGU57	1259	705637	1 - 117	15 - 131	AI078214, H77522, and AI052167.
HCWGU86	1260	666943	1 - 295	15 - 309	
HCWGW10	1261	935865	1 - 382	15 - 396	AC004590.
HCWGW12	1262	964088	1 - 426	15 - 440	N56555, N88601, AA093861, AA247827, N84048, N83993, N84855, N87989, AF045432, AJ243486, U48696, AF039698, and AF032922.
HCWGW13	1263	849911	1 - 395	15 - 409	
HCWGW32	1264	615553	1 - 448	15 - 462	
HCWGW63	1265	745091	1 - 57	15 - 71	Z69705, and AC004754.
HCWGW80	1266	742103	1 - 153	15 - 167	W07329, AI638772, AI766112, AA947305, AI684857, AF086142, and AF086126.
HCWGW85	1267	556369	1 - 265	15 - 279	
HCWGW86	1268	785506	1 - 330	15 - 344	AA584167, AA747070, AI345157, AA580808, AA493695, R95139, AW075948, AA847499, AA468022, AW275510, AA501762, AW193265, AW438643, AW302903, AW249224, AA577959, AI873852, AL042753, AI873990, AA478355, AW149313, AI872020, AI247199, AA483771, AI754658, AI350211, AI687343, AW274349, AA662225, AI583283, AI696962, AA531079, AL048925, AI860013, AA808877, AA724333, AW303196, AI040342, AL038072, AA679532, AA224083, AA515909, AW303002, AI567076, N35602, AA507824, AI133297, AA568869, AA515334, AA847952, AI613280, AA961035, AA468456, AI270117, AW002350, AI471887, AA321168, AA490183, AA333638, AA428792, AA524821, AA369254, N29815, AW301350, AI305766, AI972203, AI584186, AW069769, AA912099, AI932493, AA664909, AA857486, AA683258, AI281881, AI284640, AA613345, AW264934, AA504877, AA588001, AA828749, AI801482, AA169263, AW023990, AW103758, AA634889, AA502860, AI608668, AW235497, AA483223, AA224525, AW276817, AA581903, AA661921, AI054343, AW327868, AI963720, AL120933, AL046205, AL041690, AW270709, AA584082, AL042853, AI634384, AI865905, AA653375, AI368256, AA469451, AW083402, AA623002, AI783494, AW270382, AA938105, AI733755, AI933534, AA812281, AA483929, AA019312, AA577906, AA584581, AW419262, AL042547, AW083364, AA167055, AA576336, AA581123, AA610491, AI434706, AA702729, AI744995, AA682912, AA639326, AI654525, AW274346, AI866160, AI431303, AA579075, AI345654, AA719292, AA658362, AA788901, AW248803, AI445674, AA523837, AA720702, AI816141, AI002510, AL120927, AI358431, AL118991, C16397, AA846876, AA220943, AA613397, AL046409, AA192740, AI133164, AA178953, T06648, AA834792, AI110844, AA715255, T74382, AA715267, AA848134, AL120269, AI824706, AI698447, AI085719, AA478297, AL040130, AI093030, AA533762, AA584667, AI640841, R35746, AA380354, AW276710, AA745406, AA578997, AI470646, AA650376, AA581076, AA601270, AI633390, AW275971, AW301809, AI580250, AI241821, T51911, AA503015, AW118539, R02632, AA126777, AA774780, AA326372, AA533333, AI254913, H71429, AI708009, AA631507, AW168618, AI636730, AA480784, AF034184, AL119713, AW050498, Z84482, AC005028, AC002549, AC006155, AC004620, AL022329, AC005375, AL117356, AL021408, AC005768,

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HCWG95	1269	958780	1 - 451	15 - 465	
HCWG95	1270	902512	1 - 1076	15 - 1090	AL042667, AL042670, AA642809, AL048060, AW272815, AI433952, AI889995, AI753904, AA555232, AA525818, AA584360, AI310670, AI568376, AW104161, AI697235, AA533381, AA603359, AA669238, AA676592, AW192419, AI733856, AI049643, AI697239, AI697242, AI791659, AL041375, AA640305, AA298365, AA179364, AI270280, AA630476, AA324108, AI927275, AI436433, AI523540, AI434653, AA284247, AA714011, AW151247, AI310787, AI279417, AW238341, H86725, AI355246, AI801563, AI475297, N54538, AI380617, AI690379, AI755227, AI049845, AI431442, AI859368, AL036282, AI473671, AA515727, AI814750,

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HCWGX23	1271	720486	1 - 312	15 - 326	
HCWGX41	1272	849887	1 - 343	15 - 357	AC004033, AC007731, and AC005500.
HCWGX58	1273	920693	1 - 743	15 - 757	C18732, AA634806, AA729161, and AA729860.
HCWGX68	1274	733413	1 - 115	15 - 129	
HCWGX82	1275	924102	1 - 274	15 - 288	Z95115, AC004491, AC005089, AL049843, and AC004973.
HCWGX94	1276	793197	1 - 170	15 - 184	
HCWGY02	1277	920113	1 - 348	15 - 362	
HCWGY03	1278	924208	1 - 251	15 - 265	AI183881, AW014092, AI085895, and AC007245.
HCWGY12	1279	970693	1 - 324	15 - 338	
HCWGY20	1280	669717	1 - 311	15 - 325	
HCWGY33	1281	702441	1 - 476	15 - 490	AA618172, AA632695, AL031681, AC004699, AC002565, AL133353, AL033403, AC004383, AC005562, and AC004128.
HCWGY43	1282	660568	1 - 228	15 - 242	AA716190, AA515438, AA614340, AA618172, AA632695, AI168274, AA760672, AA174138, AA135377, AA348966, T68597, AI735455, D44625, AA206028, AA747322, H17731, AL042425, AA809631, R98945, AW449193, AA226172, AA226173, H59461, AA468491, AA468952, T96546, AI734154, AI732760, AI124595, AA377927, AI240831, AI890794, R54247, R18870, R22698, AA551582, AC006511, AC004129, AF047825, AL031685, AC011331, AD000092, AC005086, AC002070, AL023096, AL031297, AC005495, AC005844, AC004984, AL034379, Z82173, AL034553, AL020997, AL031680, AC007686, AC008134, AL049653, AC005899, AC002044, AP001053, AP000349, AC005082, AC002994, AL031178, AL021937, AL031681, AC007790, AL049575, AC004552, AC007277, AC006501, AP001068, AJ011930, AF121781, AC005609, AP000350, AL135879, AL121790, AC005280, AC005189, AL133238, AD000813, Z84466, AF001549, AC002132, AL133396, AL049844, AL035461, AL035070, AC002112, AC005620, AC006966, AL031670, AC004616, AL035703, AC009178, AL121652, AF196969, AC004079, AC001226, AF111169, AL049830, AC005003, AC005262, AB020863, Z82203, AC004098, AC004491, AP001059, AC004525, AC004682, AC009509, AP000502, AF134726, AF196972, AL133485, Z92542, AF002223, AC006160, AC004143, AF067845, and Z98304.
HCWGY64	1283	670896	1 - 233	15 - 247	AW020871.
HCWGY67	1284	861886	1 - 320	15 - 334	
HCWGY76	1285	496402	1 - 322	15 - 336	
HCWGY85	1286	917132	1 - 338	15 - 352	
HCWGY86	1287	711312	1 - 459	15 - 473	
HCWGY90	1288	960159	1 - 250	15 - 264	
HCWHA03	1289	924189	1 - 136	15 - 150	AC006468.
HCWHA09	1290	968224	1 - 157	15 - 171	AC003689.
HCWHA10	1291	961278	1 - 376	15 - 390	AA551798, H91611, AI933638, AA593537, AA229422, T05118, AA578832, AI801649,

AA470496, T05684, AL046519, T56727, AA581525, N71619, T94072, AA583728, AA584527, AW151247, AA129272, AL041019, AL041018, AA229823, N91711, AA225100, F23338, F09355, AI355103, F31575, AA228979, AA572921, F34506, AI801563, R77715, AA504951, AA503142, R56541, AI560085, AI189682, F02248, H86579, AI114733, AI133552, N63897, AI445934, AI206841, AL047493, AA502110, AA225028, AA502532, AI340858, H62923, AA706160, AC002470, AC004757, Z30987, U47924, AL022326, AC005962, AF126403, AF109907, AC000381, AC000061, AC005332, AC004895, U52112, AC004672, AF016898, AL031447, AC006512, AL135744, AC005486, AC005516, AC007308, AC007263, Z82215, AC003962, AL078621, AC005846, Z83819, AL049830, AC007686, AP000045, AC006576, AC005231, AC007690, AC004477, AC006480, AC003108, AC005412, AF108083, AP000694, AC003030, AC004559, AC004797, AL022238, AP000510, U80017, AC005535, AL031295, AC005937, AL022336, AL035462, AF110325, AC010077, Z85994, AC001231, Z84487, AC005695, AB023048, AC004765, AP000695, AC005399, U95742, AL050341, AC005796, AC007216, AC004617, AC005839, AL049779, AP000501, L34635, AC005180, Z99943, AP000511, AL133500, AC004674, AL049553, Z83822, AL096702, AC005261, AC005790, AC005071, AC005335, AC007192, AC007041, AC005306, AC003963, AC006001, AC004531, AC006960, AC005934, Z98749, AC005183, AC005178, AL117342, AP000687, AC002538, AL031682, AL117694, AL034420, AL035422, AC005622, AL035405, AC012384, AC004049, AC004752, AC005004, AP000113, AL034429, U85199, AC006262, AC005091, AL121603, AC004491, AC003002, AL009172, AL133246, U85195, AL121877, AF111168, AL031680, AC007676, AL109623, AC007551, AC022517, AL023553, AP000688, AL096801, AL109627, AP001068, AL136504, M74900, AL122020, AC005088, AC002549, AL139054, AC005288, AC007556, AE000658, AL049760, AP001067, AL096712, AC006441, AC006443, AP000133, AE000659, AC000084, AP000692, AC004522, AC007790, AC005663, AC006236, L78810, AL035658, AC008078, Z84469, AF001548, AC007934, AC004647, Z97632, AL121754, AC004216, AL078638, AC005102, AL022316, Z98742, AL049835, AL078581, AF067844, AJ011930, AC005696, Z69707, AL121655, AC004785, AC006323, Z84467, AC007639, AL022322, AL035661, AL049761, AL031291, AC004976, AC006011, Z96074, AL121757, AC009721, D88268, AC004998, AC005920, AL080243, AC004832, AP000116, AL121652, AL033524, AC004235, AC006461, AC005870, AC005215, AC005886, Z98884, Z93023, AL034421, AC004084, AC003104, AL031767, AC005763, Z93017, AC006130, AC005378, AC005365, AC005913, AC005828, U82668, AP000049, AL008639, AP000689, AC007540, AC007421, U82828, AC005358, and AC006088.					
HCWHA55	1292	731770	1 - 179	15 - 193	
HCWHA56	1293	733424	1 - 352	15 - 366	AA192173, AA837098, AA923355, AA483125, AA461421, AA828696, T63954, AA834805, AA583978, W07032, AA494090, AI547286, N87410, AA378683, N43757, AA381665, C19058, AA450199, T28550, AI921649, AI376100, AA826144, AW074059, AA551509, AI356904,

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HCWHA84	1294	733421	1 - 306	15 - 320
HCWHB12	1295	970688	1 - 366	15 - 380
HCWHB32	1296	966508	1 - 411	15 - 425
AL122003.				

HCWHB65	1297	711437	1 - 122	15 - 136	
HCWHB68	1298	573571	1 - 317	15 - 331	
HCWHC01	1299	849886	1 - 320	15 - 334	AW117951, N64437, AA345333, N66776, AA508509, AA669416, AA724230, AI432270, AW439480, AI358343, AW193546, AI570822, AL120502, AW243706, AI252085, R44592, Z83840, U85195, AE000658, AL109628, AI011930, AC006449, AC005089, AL022163, AL022326, AL022238, L44140, AC000353, AC006374, AL020997, AL021707, AF196969, AF117829, AC004491, AC002381, AC002400, AC005046, AC007666, AC004671, AL049830, AL031577, AC000085, AC005565, AC002299, AL135744, AC005332, AC006211, AL121655, AL049874, AC004000, AL023807, AC005288, AC005826, AC004003, AL096701, AC007243, AC006312, AC006270, AL033525, AF042090, AC006379, AC006501, AL031737, AC020663, AP000509, U95740, AC006116, AC006285, AC004941, AF109907, AC005529, AC004895, AJ239321, AP000514, AJ246003, AC006530, AC007676, AC005212, AC004678, AP000031, AL023799, AL023281, AL121658, AL031120, U52112, AC005231, AL008718, AL034421, AC003663, AC006023, AL121652, AL035458, AC008126, AC005057, AC007277, AC004859, AL022720, AC000025, AL109847, AL133312, AL049745, AC005694, AB020868, AC002472, AC005527, AD001527, U47924, AL031668, AC002351, and AL049759.
HCWHC26	1300	950719	1 - 420	15 - 434	AI446464, AA348929, AA525824, AA503454, AI832909, AA192470, AI608626, AI436677, F19716, AI625647, AI589461, AA669251, AA045894, AI559251, N43757, C05755, AA451612, C06327, F10924, AA190911, AA446544, AA848172, AI472222, AI889781, U51696, AA338486, AL038703, AA652940, H64560, AA668639, AA744075, AA085124, AI064864, AA528519, AA074130, R78962, AI301713, AA359958, AI499134, AA243452, AW067900, R79263, AI692808, AI690698, F28576, AA347368, AL121505, AI357698, H60143, AA533450, AA669416, AA181823, W05405, AW302013, N92446, AL119984, AA954936, AI568678, AA593060, AJ921649, AI969436, AA837677, AA182038, AA648064, AA630352, N95554, AI679132, AI376100, AI569086, AA303845, AA147197, AW117750, H85382, AA834820, T11542, AI798473, AA492252, AA480784, AA528516, AA886584, AA629992, AW074059, AA443138, AI356904, AI564284, C06119, T56719, AC005288, U18396, M57427, AL008715, AC007225, AC008115, AP000503, AL132777, AC006285, AL121658, AC016025, AC004226, AC007240, AC004895, AF134726, AC005879, AP000552, AL133445, AL080243, AC005231, AL049869, U57004, AF067844, AF172277, AL008582, AC002350, AL133448, AP000347, AL122020, Z83840, AL049872, AL049636, AF088219, AC003043, AC007226, AC005730, AC003969, AC005909, AC005412, AL117356, AF165926, AC005048, AL050312, AC004853, AC002550, AJ239318, AP000042, AC003966, AL050341, AC005527, X06123, AL109802, AF090944, AC005488, AC000353, AC007676, AC005632, AC005529, AC004019, AC006449, AL021579, AL035460, AL109653, AC000025, AL121578, AC007546, AI006996, L49046, AP000496, AC006359, AL021368, AP000497, Z69918, AC004813, AC003013, AF015723, AC002316, AF114156, AC006211, AL009174, AL021940, AC002543, X61109, AP001138, Z99716, Z97876,

					AL031053, U95740, U91323, AL132987, AL034548, AC005332, AC004848, AL096791, AC005783, AL020995, AC004884, AC004534, AC007242, AC005726, AC006538, AC002133, AC005324, AC005414, AC005144, AL031229, AC000379, AL031733, AC005057, Z99774, AL034375, Z93930, AP000431, AC004035, AC005362, AP000704, AJ246003, AC005821, AC005694, U62317, AC002312, AL078581, L76568, AC005793, AC005370, AC020663, AC005086, Z15025, AL078584, AL009181, AL035608, AC004230, AC007324, AC005808, AC005944, AL034343, AC007731, AC002558, AC006241, AP000355, Z95114, AP000555, AC005500, AL049776, U95742, AF124523, AF196779, AC005019, AL031846, AC007666, AL109799, U02050, L78833, AC005866, AB023052, Z98950, AC008079, AC005745, AP000289, AF196969, AP000556, Y18000, Z98752, AC004933, AC005523, AC005353, AC007216, AC005914, AC005624, Z93023, AL049829, AL031985, AC000052, AC006138, AC004522, AC005519, AL132992, AC004883, AL121825, AP000110, AC004814, AC004152, D16583, AC004076, AC004098, AL109627, AC002310, AC005913, AF053356, AC005399, AP000356, AC004695, AC006596, AC006126, Z99754, AC006162, AC004382, AC005209, AC007129, AF107885, AF019664, AC005069, Z93241, AC002526, Z84718, AC008101, AF032456, AC005668, AL078604, AL022311, AC002470, AL096701, AC004485, X77531, AC004466, AC004988, AC005725, AC004675, M13254, AL031602, AC004254, AC002395, AC004678, Z84476, S78429, Z98200, and AC005772.
				15 - 363	AC004983.
				15 - 314	
				15 - 551	AL035414.
				15 - 266	AI125214, H78331, N63856, and AA702824.
				15 - 452	
				15 - 442	AA019537, D58283, D80195, D80391, D51423, D59619, D80210, D51799, D80240, D80253, D80227, D80196, D80188, T03269, D80219, D59927, D80043, D80212, D81030, D80038, D80193, D80366, D80022, D59889, D80166, D80378, D59859, D59275, D80269, C14429, C14014, D80045, C75259, D80168, D80134, D59502, F13647, D80949, C14227, D57483, D80241, D59610, D81111, D58253, D51079, AW178775, AW377671, AW352158, D51097, AW360844, AW178971, AW177714, AW352171, AW179007, AW178754, AW179024, AW179020, AW177456, AW377676, AW179012, AW352174, D80290, AI557774, T11051, AW178986, AA033512, AA285331, H67858, AI525907, A62300, A62298, X67155, A84916, A25909, D26022, D34614, AJ132110, A78862, D89785, AR025207, Y17188, D88547, X68127, I82448, A85396, AR066482, AB010386, AB012117, X93549, A85477, U87250, A86792, I19525, A44171, AF135125, AR064240, Z32749, S69292, I18371, X89963, A43601, S78798, and AB033111.
				15 - 293	AA432091, AC005899, AL050308, AC007371, AL031005, AC005089, AC008055, AC004922, AC004148, AC003982, AC005412, AC002365, and AL031311.
				15 - 408	AC005591.

HCWHF62	1309	582472	1 - 429	15 - 443	H66222, R16430, and T99465.
HCWHF85	1310	746745	1 - 305	15 - 319	H95605, T05617, A1630894, AA587113, AA456942, AA430652, A1918575, AL048479, AW316599, A1866377, R01574, AA223907, A1633386, AA830070, A1567391, AA021354, F30586, AA054170, A1653776, AA515129, A1336398, AW337805, A1096714, A1962030, N64807, H97510, F35689, A1905408, AW238212, AA018617, AA838192, A1921765, AA214227, AW082104, AL096701, AC005280, AC016027, AC016830, AF047825, Z84469, AF036405, AL031651, AL035458, AC004150, AL031447, AP000962, AC004983, AC000024, D87011, AF124523, AC004821, AD000684, AC006121, AC002394, AC004253, AC005482, AL109798, AL132774, AC006130, Z68165, AL049766, AC002425, AL132987, Z97056, AC003003, AL035400, AL031681, AL034420, AC006512, Z82193, AL033527, AC004477, AC007308, AL049713, AC005881, AC004884, AC002551, AL031577, AP000503, AC005736, AC007970, AF165926, AC007225, AF084941, AL031659, AC005874, AF134471, AF134726, AC005011, AC006441, AC006552, AC007536, AR036572, U91328, Z85987, AC004605, AC004259, Y11107, AL008707, AC006946, AC004600, AL031685, AL024498, AC007191, AF196972, AC006241, AC006023, AF064861, AC004554, AC006536, AC000052, AL031680, AC003982, AC002470, AC002300, AC005410, AL049777, AC004019, Z85986, AF111170, AC004938, Z94801, AL023575, AC005089, AL022336, AC005048, AC005837, U91323, AL096712, AC004031, AL049540, AL049765, AC000120, Z98051, AL049760, AL031431, AC004616, AC006312, U95090, AC004386, AC002314, AL008718, AC005368, Z75890, AC004643, AL110292, AF109907, AC003043, AC007381, Z98200, AL031596, AC005037, AF048729, AF001550, AC007731, AC005726, AC005500, AC004858, AC003108, AF118808, AC004491, AF015416, AC006487, AC005225, AP000555, AC005856, AC006115, AC007052, AP000365, AL109758, AC005091, AC002430, AC000003, AC005920, AP000303, AC004851, AC004878, L17395, AJ011930, AC006509, Z73417, AC006328, and AC020663.
HCWHJ15	1311	968379	1 - 129	15 - 143	AC009248.
HCWHJ25	1312	686712	1 - 340	15 - 354	AA488432, AA829225, AA458804, AA364315, A1744739, AL041706, A1053644, AA362917, AA528725, AA720702, F28122, H57509, AA654968, AA146625, F33121, AA630362, AA988870, A1051230, A1056964, R99168, R77905, A1460390, AC007387, U95090, AL109654, AL135783, S41998, AC006536, AC007057, AL049872, AP000556, AC011592, AC006441, AP000552, Z85986, AF109907, AP000275, AC002350, AP000105, AP000037, AC006130, AC005694, AC006057, AC004858, AL117338, AC005527, AC004659, AL109984, AC000085, AC006121, AC008134, AL021394, AL031005, AL110502, AC004531, AL035458, L44140, AC005512, AP000692, AC000052, AC007537, AC007363, AC006285, AC006502, AL034451, AC004019, AL135879, AL121790, AC005529, AC002289, AC006277, AP000307, AL022329, AL096702, AC002288, AL133448, AL031587, AC002448, AP000115, AL022316, AL020993, AC007011, AL049797, AC007536, AL022320, AL121653, AL021878, AC005324, AL133382, AF042090, AC001226, AC005330, AL096701, AL021453, AC008064, AL022726, AC006255, AL050323,

HCWHJ48	1313	721816	1 - 340	15 - 354	AL049843, AC006512, AL050318, AF061779, AL022238, AP000114, and AP000046.
HCWHJ53	1314	693313	1 - 411	15 - 425	AC008101, AC008079, AC016027, and AC016830. AA344959, AA831388, AA526193, AW048063, AA483043, AA365571, AA565700, AA302952, AA301813, AI249688, W07122, T41134, AA327572, H12972, AA063426, AA744025, AA516225, AA341120, AI963720, AI355206, R66407, AW019964, AI754105, AA702206, AI198376, AA227162, H59856, AA720746, AI038304, AA610491, AA384039, AA847029, AA737150, AI754567, AI569100, AW192599, AA368329, AI061334, AI755214, AL044000, AI708005, AI061313, AI928790, AA365520, AI569510, AI244356, AI080307, AI678392, AI624698, AA594725, AI281431, AW131356, AA804993, AA828704, AI912322, AA579184, AA747889, N54179, AA298387, H65439, AI886365, AA526755, AW265654, AI921317, N55476, D58782, AA364315, AA757743, AI860020, AA838479, T57604, H72666, C05999, AA838477, AI889794, AA633175, AL120343, AL049795, AC005399, AC004983, AL121653, AL021808, AC005225, Z69921, AC004797, AL132987, AC006459, AP000214, U02057, AL035071, AL049776, AL033392, AF165926, AC007216, AF111168, AC004910, AC005104, AL022320, AB003151, AC005252, AF109907, AC005089, D83737, AL121657, AL023803, AC004460, AL008630, AC004890, AC003101, AC002425, AC002377, AC004470, AL031846, AL031296, AC005231, AC005874, AF134471, AC007738, AC000353, AP000255, AC006312, AF129756, AC020663, AP000354, AC007227, AL049766, AC004400, AF001549, AP000105, AP000037, AP000031, AC004854, AF196969, AC005071, AC007371, AL022158, AC004972, AC006538, AC006047, AC002523, M87914, AC005081, AP000135, U89337, Z93244, AC005772, AC006441, AC005899, M87918, AL022238, AP000692, AC004496, AC003108, Z98050, L78833, AF026069, AP000555, AB017602, AC011362, AC006077, AL031729, Z99128, AP000689, AL031255, AL080243, AF019413, U57007, AL023807, AC004019, AC006111, AL050318, AC005520, AC004463, AC006285, AC002400, AL078639, AC007285, AC007225, AC004259, AC007546, AP000513, AC004812, AC004600, AL034420, AC016025, AF196779, Z97055, AP000509, AP000251, AL034429, AC004216, Z99496, AC006271, AL031005, AC005796, AB015355, AL109759, AC004605, AC004929, AF045555, AC004859, AL049761, AC004841, AC004821, AC006953, AC007263, AL035415, AC007537, AC000052, AL049709, AC005393, AC005839, AC002553, U63630, AC007899, AB023049, AF053356, AC004770, Z93017, AP000141, AP000089, AC004408, AC007308, U07563, AC004066, AL035072, AL121603, AL022325, AC006160, AC005588, AC004585, AC004477, AL034417, AC002126, AL035681, AL121655, AC005768, AC002470, AL035587, AL035448, Z92540, AL023574, AC002997, U73638, AC004973, Z83826, AC002115, AP000512, AC006468, AC002404, AC003070, U66060, AP000211, AP000133, AP000030, U02058, U66061, AC007160, AC003104, AC007533, AC002542, AL109758, Z82176, AL008721, AL049760, AC007064, D26067, AL078476, AL121825, AC007688, AC007632, AP000009, AC006138, AC004802, AP000695, L78810, AC006059, AP000688, AL031428, AC004195, AC007666, AF207550, U91326, AP000350, AC005940, AC004242, AC005747,

HCWHJ55	1315	861884	1 - 719	15 - 733	<p>AC006515, AF015155, Z98048, AP000556, AF067844, AC005668, AC004211, AP000275, AL035659, AL035405, AC005146, AC005370, AL034401, AC006013, AC002985, AC004383, AL021977, AL049713, AL136504, AC005207, AL133485, AC005539, AC004858, AC004771, AC004918, AL049636, and AC005837.</p> <p>AI076616, AL045053, N48230, AL138265, AA130901, AI053790, AL042853, AI355206, AA581903, AA722372, AI963720, AA846876, AL119691, AA584201, AI817516, AW440545, AI374809, AW102955, AA468022, AI951863, AW265393, AL046409, AA877817, AI457397, AI284640, AA126035, AL046205, AW088846, AI732865, AW274349, AA507824, AL042420, AL040921, AW008212, AI305547, AI708009, AA468131, AI357901, AA703887, AA720702, AI281881, AI270117, F28204, AI312309, AA812139, H08791, AA584195, AA521399, AA623002, AA521323, AI345157, AA515829, AW163293, AI334443, AW021583, AA610491, AA501809, AW169151, AA837677, AW327868, AI956124, AA493471, AI871722, AA491284, AI204304, AI801482, AA490183, AA480772, AW238278, AA311319, AA587604, AI696962, AA515549, AL037683, AA610271, AA126051, AI254316, N94311, AW406447, AI431303, AI133164, AA349366, AW303196, AW265385, AW407578, AA657918, AI445582, AA503473, AL041690, AA478355, AA599480, AL038072, AL038705, AW301350, AW304584, AW270382, AW193265, AW103758, AI368256, AW439558, AI345518, AI471481, AI368745, AL044940, AW062682, AA514854, AL046457, AW028392, AW131249, AI744188, AW020340, AA491814, AA503475, AL138455, AI860020, AA846760, AA703820, N92756, AI133262, AI865905, AI207401, AI799642, AI267818, AI625244, AA569471, AI307608, AI969436, AI249997, AA576336, AW419262, M77974, AI282832, AI370074, AW270270, AA719292, AW410400, AA572713, AA579366, AL119984, AI559705, AA533333, AA908687, AA533036, AA523837, AI580652, AI376100, AI921649, AI890348, AA483223, AI471543, AI053606, AI745325, AI640409, AA631507, AW276817, AI613280, AA515909, N53150, AI608771, AA613203, AI754955, AA531372, AA665021, AI370094, AA349854, T41259, AI564284, AW023672, AA828704, AA502104, AI537955, AI345654, AI538433, AI568678, AA488395, AL048626, AI251436, AW302903, AW302909, AA584082, AI017415, AI538852, AA583955, AA513850, AL119649, AW276827, AL120483, AI370977, AA584145, AA079462, AI061334, AA679514, AA630362, AW072923, AA470969, AA947360, AW302013, AW088202, AA522942, AA714453, AA683258, AI792287, AA781975, AW069769, AA558656, N76673, AI912322, AC000353, AC005332, AC005295, AC004929, U91321, AC008115, AF053356, AC006312, AF045555, AC002565, AC007225, AC007226, AC005529, AC003007, AC005057, AC002476, AL121603, AP000112, AC005072, AL109802, AC007191, AC002045, U63721, AC005696, AL049776, AL121655, U78027, AC007151, AP000045, AP000113, AC007666, AC005412, AC002470, Z98044, AC006449, AC004967, AF038458, Z99716, AL049712, AL022165, AC004167, AC006480, AC004099, U95742, AL031311, AC005089, AC007685, AC006111, AF006752, AL132712, AC005911, U47924, Z97054, AC005015, AL096701, AC005291, AC006130,</p>
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HCWHJ75	1316	786019	1 - 398	15 - 412	AI358229, AI368745, AI570261, AL046409, AL138265, AI133164, AI334443, AW265385, AI679782, AI963720, AW406755, AI284640, AI370074, AW088846, AA610491, AA491814, AL043719, AI370094, AW088616, AA482711, AA720702, AW419262, AA581903, AW303196, AW327868, AI754955, AL044858, AW193265, AW274349, AW301350, AI119691, AI350211, AI431303, AA469451, AI457397, AI962050, AI061334, AA680243, AI110770, AI888518, AL042753, AI200051, AI281881, AW265393, AW162049, AI270117, AI929531, AA847499, AI792287, AW166815, AI860020, AI365988, AW085780, AI053672, AW276827, AW023672, AI567674, AW302013, AW104748, AL038785, AI339850, AI610159, AA587604, AI610920, AA831375, AL038474, AW103758, AL138455, AI708009, AW080134, AI801482, AI561060, F29989, AI345681, AI345675, AI376100, AW069227, AA503258, AI921649, AW338086, AI865905, AI613280, AW410400, AI619997, AI754658, AW129001, AW439558, AI421841, AA713815, AI814735, AW438643, AI537955, AI697208, AI745325, AI345654, AA523843, AI246119, AA665330, AI890348, AA490183, AI904894, AI732120, AI471481, AW269488,

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HCWHJ91	1317	674157	1 - 400	15 - 414	AC005605, AC004908, and AC005604.
HCWHL11	1318	967057	1 - 403	15 - 417	
HCWHL36	1319	465250	1 - 481	15 - 495	W72636, and AA737484.
HCWHL42	1320	959894	1 - 422	15 - 436	AI280574, AI554725, AI436330, AA477517, AA533054, AA213590, AW150387, AA659832, AL040374, T78072, AA663074, AI049931, AC008127, AC013417, AC005726, AC005488, AP000008, AP000704, AC006486, AL022329, AL133396, AF031078, AC006014, AF030876, U73167, U90094, AL008635, AC005924, AL031255, AL035697, AL109758, AC004477, AC007687, Z97053, AC004797, AL031597, AC003665, AC005873, Z92546, Z83844, AL031284, AC002301, AC007899, AL121654, AL133448, AC000035, AC005383, AC003962, AC000044, AL035079, AC005237, AC000034, AC004448, AP000353, AC002425, AC006143, Z82190, AL135783, Z84572, AC008055, AF205588, AC002352, AC004813, AF179633, AL022326, and AC005529.
HCWHL73	1321	960097	1 - 539	15 - 553	AA219247.
HCWHL89	1322	754087	1 - 127	15 - 141	
HCWHN05	1323	849885	1 - 363	15 - 377	
HCWHN28	1324	529654	1 - 318	15 - 332	
HCWHO38	1325	573533	1 - 413	15 - 427	
HCWHO45	1326	717807	1 - 436	15 - 450	
HCWHO78	1327	960180	1 - 337	15 - 351	
HCWHO93	1328	924109	1 - 381	15 - 395	AL121852.
HCWHP06	1329	935483	1 - 288	15 - 302	AA729468, R10107, W89152, AA383903, W88647, AI910620, AI241829, AA348884, AI473501, AI538106, N77986, W67486, AW198103, H54411, AA320684, N73349, W67485, AI352089, H67251, R99079, AI362519, AA054355, AA583390, AI654404, AA831624, H71523, T83076, R09897, AI149238, AA767864, T95920, AI032114, AI061577, AA045892, AA491889, R34073, AI884375, AI267544, AA515929, W87421, AA297443, AA077228, AI472070, AI479070, AI287788, AA831638, AI824558, AA655007, H12182, AI004220, AA100325, AI275725, AA651647, AW338697, F07225, AI523875, H75392, T89763, AI808173, AI125633, AA582060, AA745570, AA311509, AA669734, AI559178, AA547979, AW051628, AI176125, AA363250,

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HCWHP25	1330	881285	1 - 638	15 - 652	AA203553, AA004349, AA678315, AA507179, R08030, R08080, and AW366361.
HCWHP40	1331	577691	1 - 382	15 - 396	
HCWHP44	1332	705392	1 - 114	15 - 128	AA702353.
HCWHP70	1333	711476	1 - 300	15 - 314	AC007199.
HCWHP74	1334	598310	1 - 423	15 - 437	AI350663, AI016289, AL037105, R59942, AA019396, AP000017, and AP000158.
HCWHP84	1335	849900	1 - 441	15 - 455	
HCWHQ03	1336	924187	1 - 347	15 - 361	AL110456, and AA326002.
HCWHQ31	1337	574945	1 - 416	15 - 430	
HCWHQ82	1338	677186	1 - 439	15 - 453	H98124.
HCWHR01	1339	916526	1 - 422	15 - 436	
HCWHR09	1340	542336	1 - 374	15 - 388	AC005752.
HCWHR59	1341	739293	1 - 572	15 - 586	AW207505.
HCWHR77	1342	729850	1 - 331	15 - 345	
HCWHR81	1343	935419	1 - 359	15 - 373	

HCWHS13	1344	657230	1 - 256	15 - 270	<p> AI368745, N43757, AA593060, AA658093, AI547286, AW088202, AA365347, AA501600, AW080134, M86058, C18360, C18357, AA450199, AA344959, AA513999, AA658235, AI921649, N71557, AA377730, AI376100, AI372413, AW074059, AI356904, AI564284, AA723017, AA856981, AA653964, F29989, AL042213, AA634855, C19058, AA828680, AA338642, AA713815, AI079667, AI205126, AA594725, AA301813, AI453383, AI889781, AI929531, AA828704, C17838, AI679782, AL120674, AW162049, AW020340, AA715362, AA384502, AL119391, AI216799, AA502103, AA634227, AA482711, AI962050, AI956124, AA229785, AI251002, U51696, AI567674, AA025083, AA515051, AW029038, AW023672, AA642060, AW166815, AW265294, AW131034, AI358229, AI904894, N53150, AA635368, AA310158, AI917271, AA826303, AA428414, AI339850, AI064952, F31204, AI921673, AA829106, AA297744, AI133636, AI608626, AI890923, AA503947, AL138265, AW406755, AA669416, AA365571, AL038785, F37286, AI365988, AW440836, AI821028, AI821279, AA228471, AA419263, AA581903, AA886584, AI469003, AW339687, AI9222840, AA469451, AA318652, AI635272, AI886365, AI744188, AI890928, AI250284, AI049722, AI537955, AA515128, AI890570, AA804828, AI017024, AA584201, AA350859, C06458, AI446464, AA551509, AA483068, AI918421, AA486680, AA484059, W60516, T49751, AA345333, AI625244, AW173651, AI610159, AL041368, AI418391, AI282832, AA302308, AA649642, AA598824, AW338500, T28550, AA085124, AA493768, AA372478, AI193007, F36273, AA320748, AI357551, AI343137, AL042853, AW084253, AI284640, AA515435, AL041412, AW440976, AI940546, AW339568, AI859742, AW236342, AA362395, AA626678, AW175641, W07032, AA320113, AI963600, AA465321, AI143242, AA663634, F28576, AA639250, N66026, T29180, AL039309, AI298710, AA558697, AI305547, AI569086, AI922654, AW169151, AA558857, F23274, AA309841, F34826, AI471464, AW079659, F19258, H64777, T06556, AW419118, AA669251, AA148489, AI471487, AA364456, AF039185, AI053672, AW406659, AA634146, AA127191, AL046409, AA502963, AI064864, AA503284, AI471481, AA678616, H78195, AL133723, AI471572, AA177061, AW410400, AP000311, AC007628, AP000049, AL031846, AC002067, AP001040, AP000152, U14718, AC004853, AC005565, AC004592, U14719, AF017257, AC005866, U14715, U14717, AL121603, AL031782, Z86062, AL049830, AL133246, U14716, U14713, U14711, U14712, U14698, AC008055, AF111168, AC006241, AC010197, AC002410, AC004647, AJ229042, AC006597, AL031655, AC004796, AC002073, AC005291, AL078603, Z99755, AP000193, AP000497, AC006511, AC002432, U14706, AC004150, AC002542, Z86061, AC003002, Z99916, AL109941, AP000117, AP000354, AP000954, AC005589, AF015160, AC005221, AC003084, AC005166, AC007077, AC004804, M62424, AR025392, X13794, AC005099, AC007536, AF064863, AP000116, AP000011, AC003985, AC008126, AC004771, AC006221, S75337, AC007870, AC004981, AC007392, AC005888, AC004949, AL021918, AL132718, AC006384, AC007385, AL049613, AC002485, U95740, AC006561, AL021940, AC004638, AL109799, AC002124, AP001172, AP000519, </p>
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HCWHS28	1345	675051	1 - 309	15 - 323	
HCWHS77	1346	861875	1 - 337	15 - 351	AC004834.
HCWHT50	1347	527542	1 - 475	15 - 489	
HCWHT56	1348	849979	1 - 353	15 - 367	AC004542, AL049694, AC006112, AL121694, and Z84474.
HCWHT59	1349	924105	1 - 320	15 - 334	
HCWHU22	1350	849878	1 - 330	15 - 344	AB033063, and AR065869.
HCWHU30	1351	974485	1 - 392	15 - 406	N88601, N84855, AA095359, H58760, AA096046, N89520, N83168, AA247964, N83992, AA247827, N83991, N88782, N84048, AA093224, AA096066, AA095641, N84830, N84718, N86694, N87989, AA471338, N55698, N84712, N83993, N88518, N84829, N88496, N87898, AF102850, AF039698, AR066487, AF103726, S78798, U48696, AF045432, U39066, AF032922, and A1243486.
HCWHU47	1352	720340	1 - 306	15 - 320	A1075000, AL049869, AL109623, AC005680, AC004685, AC005233, AC004014, AC000097, AC006547, AC005187, AC007021, and AL035665.
HCWHU52	1353	726054	1 - 163	15 - 177	
HCWHU54	1354	727314	1 - 131	15 - 145	
HCWHU58	1355	736052	1 - 309	15 - 323	
HCWHV11	1356	964996	1 - 254	15 - 268	AW243834, AL014798, AL332671, AL590042, and AL679747.

HCWHV18	1357	466511	1 - 329	15 - 343	T80701, and AL034551.
HCWHV28	1358	686710	1 - 522	15 - 536	
HCWHV33	1359	702437	1 - 243	15 - 257	
HCWHV41	1360	960157	1 - 331	15 - 345	
					R86114, AI383589, R56101, AI801563, AI500151, AI866422, AI547110, AA338474, AI754257, AI580480, AI744817, AL044701, AA862218, AI553670, AA586474, R26871, AI797998, AA633804, AW265468, AI002786, N52274, AI446424, AA493808, AI057560, AI445699, AI631299, AW021674, R22196, AW082556, AI702049, AW148821, AW410844, AL022329, AC005037, AL034343, AL049776, AC005914, AC002470, AC005666, AC002369, AC005874, AF134471, AL021939, AL109865, AL034420, AL031287, AC006130, AC007051, AC007919, AC005537, AL109628, AL078638, AC009241, AC006013, AL009179, AC005776, Z95114, AC004139, AL034371, Z97181, Z85987, AC005747, AC007358, AC002310, AL034351, AC005562, AC012085, AL009181, AC004963, AC007376, AC004996, AC006237, AC006006, AF111169, AC006539, Z75887, Z94802, AC007541, AL133448, AL133163, AL132641, AL021918, AC004859, AL008710, AC006966, AC004812, AP000402, Z83822, AC006014, AL121756, AF031078, AC005701, AL121652, D87675, AL035425, AL035461, AL121603, AF030876, AL031767, AL035249, U78027, AC002352, AL009172, AP001054, AL135744, AC005503, AC000372, AL035422, AI003147, AC004675, AC005763, AC005361, Z99570, AC002477, AC004525, AC003042, AC006511, AL031584, AL021808, AF088219, AC005921, AC004099, AC007533, AC002395, Z69890, AC004686, AL049839, AC005602, AC000088, AC003965, AC005488, AC000071, AC004517, AC004858, AC005082, AC002559, AC004079, AP000501, Z82901, AC006455, AC005969, AL132992, AF165926, AC000405, AC004854, AL109963, AL034423, AL031575, AL050306, AL022476, AC005004, AC002429, AP000289, Z99714, Z98950, AC004900, AP000042, AP000110, AL020997, AL080243, AP000142, AL022328, AC003109, AL049636, Z93241, AC012627, AF109907, AL049759, AL022302, AC007666, AC002544, AC006977, AF190465, AL031311, AC005759, AC004223, M97911, AL139054, AC006468, AC002476, AC004913, AC005221, AC005225, AC004815, AC004924, AL049569, AL049713, AP000347, AL022576, AC004857, AL035587, AP000694, AC020663, AC004583, AC005067, AC009516, Z97183, AC000052, AL031985, AB023048, AC005233, AC007686, AP000346, AC006023, AF047825, AL021407, AC006948, AL079303, AC002094, AL117352, AC002542, AF197228, AC004887, AC005695, AC007537, AC005746, AC005291, U85195, AC005015, AF111167, AC010722, AC004797, U91326, AC004148, AC005355, and AC004453.
HCWHV61	1361	849983	1 - 410	15 - 424	
HCWHV64	1362	770049	1 - 407	15 - 421	AA059296.
HCWHV66	1363	923527	1 - 505	15 - 519	
HCWHV71	1364	917274	1 - 489	15 - 503	
HCWHV94	1365	953379	1 - 360	15 - 374	

HCWHW32	1366	861905	1 - 546	15 - 560	AA629679, AF1111168, AF207550, AP000501, and AF1111167.
HCWHW38	1367	722213	1 - 286	15 - 300	
HCWHW83	1368	841937	1 - 558	15 - 572	AW023111, AA533054, AL048002, AL281818, H71678, AW150387, AW151247, AA069729, AL791659, AA515728, AW237905, H69523, AA706495, AL742168, AA315361, AA772906, H29914, AL446259, AL192440, AW245354, AA984920, AA601728, AA584756, AA284247, AW104163, AL040374, AW265688, AA837035, AL10464, AL821931, AP000210, AP000132, AP000248, AC003962, AC010170, AL049589, AP000030, AL133246, U91321, AC004966, AC004938, AL035400, AC005921, AC007308, AL031447, AP000503, AC006515, AL080317, AC000353, AL096791, U95090, AF134726, AL035071, AL035405, AC007052, AC009516, AL021546, AC006965, AJ003147, AC006312, AC003684, AL117258, AC005318, AL021069, AC004797, AB000882, AC005046, AF047825, Z83826, AL008730, AC007546, AC006581, AF001548, AC004764, AC006468, AF129756, AC004890, AP000512, AC005231, AC004605, AP000692, AC002310, AC007690, AL031427, AC006480, AL031668, AF001550, AF109907, AL022322, AP000557, AL022171, AC004881, AL117694, AP000038, AC002404, AC005086, AL024498, AC004156, AL035089, AC004882, AC003108, Z83308, AC005529, U52112, AC008040, AC006455, AL031428, Z85987, AP000350, AF064861, Z98946, U50871, Z82189, AL035681, Z82215, AC005527, AC008055, AC006285, AL008729, AL022318, AC016025, AC005288, AC005666, AP000311, AC020663, AL109627, AC008372, AC002477, AC005722, AC003038, AC007057, AL049872, AL096766, AP000558, AC006130, AL133243, AC005907, AC005513, AC005914, AC005015, U47924, AC004686, AL031255, AC004000, AL049775, AC004228, AC004253, AF117829, AC006023, Z82201, AC005736, AC006571, X55448, AL024507, AC006080, AF155238, AL049843, AC006449, AC004525, AL049780, AC004796, AC004656, AC007450, AD000812, AP000049, AL049694, AP000553, AC006262, AP000251, AC004143, Y10196, AC005971, AC005777, AL023575, AL132642, AP000113, AP000045, AL021707, AL050305, AC006441, AC005180, AC007172, AL035683, AL021808, AP000212, AP000134, AC002375, AC004601, L44140, AC004585, AC004832, AC007376, AL021807, AC002126, AC005684, AP000355, AL035079, AC004491, AC007999, AL034548, AC004887, AL034420, AF139813, AC005220, AP000208, AC006121, AL096701, AC006111, AC002301, U52111, AC006208, AC004131, AL021155, AP000247, AC004662, AC007536, AC006317, AL031588, AC005839, AC007537, AC004883, AC004263, AL049869, AC005070, AL022313, AL035086, Z97876, Z97353, AC007055, AC005516, AC005412, AL035420, AC002045, AP000359, Z95114, U95740, AC005229, Z83838, Z85986, AC005740, AC003042, AC005632, AC007292, AC007226, AC006271, AL035684, AL031311, AC005484, U91326, AC004125, AL022476, AL031663, Z93241, AC005874, AF134471, AL031133, AL049636, AC005899, AC007541, AC007845, AB026898, AL035697, AC007242, and AP000688.
HCWHX08	1369	959456	1 - 439	15 - 453	AA605123, AI963720, AI251436, F18638, AA482711, AI061334, AI352078, AI344844, AA493219, AI355206, AI962050, AA843450, AI921649, N43757, AA829106, AI624698,

AA489775, C06327, AA828704, AA581903, AW023672, AA502103, AA665330, A1860020, AA226305, N54894, F30933, A1017415, AA503015, AL138265, A1376100, AL042853, AW242109, AW303196, AW274349, A1053623, A1956124, AA661948, C05755, AA621704, AW301350, AA468022, A1904894, A1564284, AA348929, AA338486, A1284640, AL043719, A1453383, AA310158, A1567076, AW074059, AA369477, A1356904, A1305766, A1431303, A1151261, A1732120, A1061296, AA483771, A1547286, AW193265, H13757, AA826303, AA714453, AW247819, A1619997, A1053489, AA542991, AW080134, A1890928, AA810318, AA525824, AW021747, N25303, AW276817, AL037554, AA252763, AA302963, F25867, T90692, AA649642, A1434311, A1061143, H78195, AA132833, AA603445, AA069118, AW193432, A1688846, AW102849, U57007, AF015160, AF015153, A39972, AF015155, AF165926, Z30979, AF015167, AF015148, AC005081, AL023879, AF090940, AC009247, AC006350, AC007216, AC000081, AC004887, AP000248, AC006057, AF068862, U12580, AC007735, AC005944, AL121658, AC006077, AC004647, AC004150, U18396, AC006547, AC004895, AC004797, AF015166, A1246003, AC002378, AP000553, AC002425, AC004678, AC002544, AF015170, AL080243, AC006538, AC006019, AF196779, AF015158, AC010206, AB023049, U18395, AC002115, AC004812, AC006312, AL031846, U73634, AC006571, AC004668, X55926, U18398, AC004913, AL121655, AL022721, AC005004, AD001527, AC011311, AF069508, AC006040, L35531, AL021546, Z69921, AC016025, AL133245, AC004903, AF017257, U57009, U91326, AF024533, AF114156, AC005231, U95742, AC006449, AL132992, U47924, AP001052, AC005037, AC006111, AC006254, AC003104, U57005, AL135744, AC005280, AL121603, AC020663, U85195, AC009516, AL022326, AF109907, U67234, AF015162, AL050321, AL023494, AC002301, AL034549, AC005412, AC006241, AC006486, AC007546, AL022329, AL023553, U18394, AL133246, AP000517, U12582, AL049757, AF088219, AC005212, AL035659, AE000658, AL031685, AL109627, AL035587, X54180, U18391, X55925, X54176, AC002310, AC003041, AC007676, AL031650, AC006285, AC004771, AL031281, AC006251, AC002369, AC006088, AL049776, Z95114, AC007536, AL022320, Z74739, AF045555, AP000359, AC005520, AD000092, AC007666, AC006511, AC004612, AC004972, AC005041, AC005696, AL034420, M89651, AC016831, AC002543, AC008040, AL022302, Z93241, AC004033, AF049895, AF015171, AC006480, AC004448, AC008984, AC006600, AL035422, AC007114, Z83840, AP000512, AP000698, AB001523, Z82190, AL139054, U18392, AC005940, AC005736, AL049759, AP001059, AL109984, AL031594, AC002072, AC004019, AB023054, AC005821, Z97630, AC007014, AC007066, AF107885, AP000513, AP001040, AC006512, AF134726, AC006042, AC006132, AC004263, AC004230, AC005154, Z49235, AL021528, AC005618, AC003962, AC005015, AP000555, U78027, AC005544, Z98050, AC005600, AC005500, AC007243, Z98950, AC002470, AC004673, D84394, AC006539, AC007421, AC003110, AC005722, U80017, AF038458, X54181, X54178, AL031577, U18393, AL096701, AC009509, AC006948, AC006252, Y10196, AC005911,					
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HCWHX09	1370	625596	1 - 339	15 - 353	AC005375, AL031720, AC002091, AL035448, AC004638, AC003101, L35668, Z86090, AC016026, AL022323, AP000557, AL031255, AC002073, AC004890, AC005612, AC005488, and AC007055.
HCWHX72	1371	849884	1 - 351	15 - 365	T59825.
HCWHX91	1372	723178	1 - 286	15 - 300	
HCWHX95	1373	736004	1 - 260	15 - 274	
HCWHZ18	1374	666452	1 - 329	15 - 343	AI268099, and AI702282.
HCWHZ51	1375	725682	1 - 317	15 - 331	
HCWHZ59	1376	739294	1 - 321	15 - 335	AI525565, AL039783, and AA758552.
HCWHZ83	1377	781186	1 - 128	15 - 142	
HCWHZ89	1378	668670	1 - 144	15 - 158	
HCWKA13	1379	494088	1 - 569	15 - 583	
HCWKA21	1380	670897	1 - 254	15 - 268	AI526203, AI541570, V00116, AF162506, AF162502, AF162504, AF162499, AF162503, AF162505, AF162501, and AF162500.
HCWKA28	1381	466763	1 - 407	15 - 421	AA484648, AA503002, T61555, AP000256, AP000098, U36478, AP000155, AP000014, U91326, AL031659, AC002544, and AC007546.
HCWKA79	1382	574911	1 - 505	15 - 519	AC002040.
HCWKA96	1383	963621	1 - 342	15 - 356	AW183906, AI457975, and AA782016.
HCWKB04	1384	676904	1 - 428	15 - 442	AI299828, N51706, AA936483, R36572, R24933, AI299043, F05240, AI567908, H92474, N51794, AA806500, AA878245, AA482890, AA845639, and AF131763.
HCWKB10	1385	964570	1 - 396	15 - 410	AC004139.
HCWKC83	1386	496385	1 - 138	15 - 152	
HCWKD34	1387	706520	1 - 362	15 - 376	
HCWKFO8	1388	959388	1 - 290	15 - 304	
HCWKFF28	1389	686655	1 - 327	15 - 341	AI732327, AW327673, AI872229, AA493464, AI754257, AI521019, AI002950, AA132929, AW419201, AI890297, AW338376, AA171400, AW157128, AA218684, AA557945, AI828721, AI572680, AA493546, AI826857, AW243817, AA661583, AI434103, AA584360, AA425283, AI571094, AL039117, AA084320, N26159, AI270280, AA600127, AA570243, AI754926, T34066, N99245, AW085751, W45215, AA557508, AA629668, AA167656, AA807704, T10218, AA601376, AA489390, AI348780, AI520984, AW029626, AI744890, AA430214, AA493245, AA610245, AW020612, AI568262, AI567676, AI732720, AA152398, AA640305, AI889177, AI925588, AI888050, AW129188, AA455202, AI570067, AI275989, AW162762, AA569220, AA535558, R61887, AI734158, AI343986, AI821605, AA287823, R33588, AI609972, AA369465, AA834891, AI620666, AI125143, AI300608, R54095, AW008217, AA340581, AI433952, AW105729, H05066, AA342029, AI086603, AI734193, AA315052, D29424, AA524604,

				AA969776, AC005516, AL050129, AL050338, AP000116, AC006141, AP000036, AP000099, AL109854, M87914, U73630, AC006511, AC005041, AC002316, Z49154, AL080250, AL135744, AC005531, AC000090, Z98051, L47222, Z97876, AC004098, Z69705, AC004491, AP0000954, AP000088, AF207550, AP000115, AL132987, AC004943, AC004673, AP000308, AB001523, AC004754, AL035460, AL031864, AC005015, AC008044, U91327, U71148, AC005412, AC004792, AC005358, AP000048, AL133353, AP000113, AP000045, AC005740, AL022238, AL022149, AC004552, AL109952, AL023803, AC005776, AF064859, AC005180, AF124523, AC004675, AF196779, AL096703, AC007386, AF088219, AC005228, AF134726, AC005102, U91328, AF196971, AC004409, AJ251973, AP000250, AL031588, AL031602, AL096791, AF191071, AL022326, AC004019, AP000030, AC009516, AC010205, AP000354, AC002350, Z98941, AL031311, AP000141, AL139054, AC004000, L47225, AC005519, AC007686, AC004802, AC006013, Z82190, AP000251, AC003982, AR036572, AL020993, AL049694, AL031133, AC004448, AC004967, AC008009, AL031291, AP000557, AC002465, AC005323, AL022165, AC000353, Z83308, AC005921, AC006157, AL033527, AC007401, AP000348, AL031003, AL096776, AC005325, U18270, AC003106, AC002470, Z93017, L78810, AF064858, AL117330, AL031667, AL031680, AP000692, X04981, AC005355, AL022721, AC005670, AC002563, AC003029, U95742, AC005484, AC005837, AC004148, AC004985, M87909, AL035086, AP000133, AP000211, AJ009610, X56997, AC009248, AL024507, AC006050, AL109627, AP001060, AC006162, AC005369, AC002477, AC005908, AC005911, D87675, AC005086, AC005913, AD000812, AC006014, AC007216, AP000466, AC016831, U62317, AP000563, X71874, AL020997, AL109985, AB000931, AC002551, AC005695, AC005856, AC001228, AL008582, AL049646, AC005546, AC006139, AC006323, AC005512, AC003072, AC009247, AC004585, Z98752, AC020663, AC006236, AC005859, Z93241, AC004611, AC006312, AC003108, AC005730, AL096712, AC005253, AC004526, AP001054, AC005257, AL035423, AL050341, Z98750, D16517, AC005377, AL078477, AC006315, AC004655, AC006487, AC006449, AC006121, Z93848, AC003013, AF106656, AC005581, AC000094, U78027, AJ003147, Z93783, AC012627, AC004686, AC006441, AC004263, AC004887, AP000263, L05367, AL121653, AP000359, AL008731, AC002314, AC004999, Z95704, AC004816, AC005768, AC005759, AL034548, AC007676, AC004883, AC002404, AL109984, AC004890, AC004973, AP000280, AC005562, AC007371, AC003110, AC004125, Z99716, AL035658, and AL031255.
HCWK29	1390	779862	1 - 193	15 - 207
HCWKG10	1391	964577	1 - 369	15 - 383
HCWKH08	1392	959381	1 - 452	15 - 466
				AL079894, F31575, AA758244, AL040038, AA665475, AA772873, AI049955, AA775205, AA846046, AA704346, AA553513, AA775973, AI933703, AI418232, AI978713, T60316, AI003391, AA828775, T05617, F30586, AI469468, AA587113, AI627917, AA932787, AA719523, AA077886, AA340534, R51882, AA503019, R92248, AA320060, AA558505, C18083, AI453321,

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HCWKH16	1393	661898	1 - 369	15 - 383
HCWKH25	1394	678086	1 - 295	15 - 309
HCWKH36	1395	924191	1 - 287	15 - 301
HCWKI31	1396	678375	1 - 64	15 - 78
HCWKI77	1397	920043	1 - 445	15 - 459
HCWKI92	1398	792689	1 - 466	15 - 480
HCWKI23	1399	934393	1 - 464	15 - 478
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HCWKJ40	1400	861851	1 - 397	15 - 411		T20034, and AL034548.
HCWKJ60	1401	968112	1 - 364	15 - 378		
HCWKJ96	1402	571302	1 - 291	15 - 305		
HCWKM28	1403	849915	1 - 343	15 - 357		
HCWKM31	1404	697974	1 - 155	15 - 169		
HCWKM58	1405	849934	1 - 393	15 - 407		
HCWKM60	1406	740347	1 - 359	15 - 373		
HCWKM88	1407	792086	1 - 246	15 - 260		AA535661, F19258, H72666, AI886176, AI923140, AW157326, N99715, AW021917, AA340003, AI721122, AA501872, AA167741, AI761471, C18648, AI358229, AA584749, AA133986, AW339687, AW088058, AI439360, AI635272, AA366820, AW406447, AA332991, AI281903, AL120483, T12272, N23649, AI305766, AW261871, AW439558, F29989, H00934, T40338, AA652057, AA649642, AA377730, T40617, AI053786, AA581342, AI365988, AL133723, T16592, AA489775, AA365347, AA508080, AI863283, AA125788, AI742771, AW008317, AI567786, AA569284, AI561116, F31204, AI914706, H18175, F18974, AI571512, AW074398, R93061, AI049634, AA515128, AA515435, AI375710, AW193432, AI284640, H60239, F25276, AA558697, AA363260, AW304584, N71724, H92005, F35659, AA483204, AI110822, AI446464, AA669251, AW276827, AA558227, AA016286, F28576, AI282907, AA973575, AI569086, AA441788, AW193265, T29180, AW337985, AA682189, AI079910, AW130799, AI445436, AW023270, AI802526, AI064864, AI890052, AA743956, AI963786, AI613280, AA181718, AA780929, AL118911, AI493546, AL079645, AI344844, F36273, F37286, AI521901, AA309485, AI471481, AA919037, AL048925, AL042856, AW193512, AA095511, AI963095, AI879000, AW270284, AW327360, AA745410, T58118, F36306, AA443065, AI688846, AA344959, Z84480, AJ246003, AL049836, AL121658, AC002429, AC005386, AC009501, AP000292, AF039905, AC004650, AL109653, Z93023, AC002981, AP000111, AP000043, AC018633, AC006030, AC004808, AL035411, AC002386, AL022147, AL009051, AL008629, AC005901, AF222686, AL034384, AC009405, AL035090, AL035671, AC004903, AL031116, AL132708, AC005158, AC003029, AC005723, AL049647, AL117693, AI109759, AF053356, AC007036, AC004485, AC004655, AL121603, AI011930, AL049745, AC004453, AL031432, AC004738, AC006152, AC004069, AL109854, Z94044, AC008012, Z94056, AC002067, AL031602, AC008115, AC006347, AC004901, AC005341, AI006345, AC004070, AC004072, AL133321, AC000085, AC007625, AC006071, AC005597, AL022165, AC004382, Z93242, AF111168, AC005280, U91322, AL033375, AC006482, AC007172, AL031542, AC002369, AF123462, AL022318, Z98036, AC011604, AC006046, AC006111, Z93928, AL049834, AC008008, AC007102, AC004458, AC005829, AL118497, AL035427, AC005183, AC007207, AC007743, AC004822,

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HCWKM90	1408	960177	1 - 325	15 - 339	
HCWKN08	1409	959380	1 - 270	15 - 284	
HCWKN57	1410	861537	1 - 398	15 - 412	AA053759, AI452726, AA724782, AI275071, T08298, AA582073, AA953238, AI811302, AA584526, AI147425, AI635247, AI310873, AI345366, AA047715, AI174766, AI921328, N71746, AA758366, AA581329, Z22942, AA654318, AI445088, AA702729, H52562, AA679511, AA741028, AL040170, AI268334, AI268336, C18993, W56883, AA126450, AL138128, AA292178, AW118442, W92132, AW277171, T47909, AA236903, AL036037, T11828, AI913370, AI349849, AW168420, AA683238, AA757775, AI732223, AW128884, AL119691, AW128900, AI732154, AA847181, AW021917, AA857428, AI7037952, AL044286, AI590485, AL037383, AA219059, AA487272, AA350349, R02522, AA484373, AI207846, T89952, AA513188, Z22633, AI283456, AA872990, AW021583, AI371429, AA464976, AA454041, T65779, AI094315, AA600869, AI023637, AA136649, AL135377, T61573, AC007036, AC004080, AC004595, AP000301, AP000114, AP000045, AL035403, AC003024, Z95116, AC006195, Z97987, AC004816, AC004912, AC003687, AC004531, AC006037, Z83001, AC010206, AC002319, AC005670, AF110527, AL022333, AL022314, AC006928, AP000346, AF036405, AC004975, AP000495, AC007226, AC009516, Z82190, AC004811, AL122020, AL049781, AL050402, AR038761, AP000253, AP000252, AP000213, AP000135, AC007030, AP000031, AC002381, AC005495, AL031734, AP000298, AF020662, Z75746, L34079, AF039907, AC004196, AC004156, AC000393, AC005387, AP000390, AP000745, U07562, AC005903, AL121588, Z72001, AL035652, AF190641, AL109827, AP000044, AP000113, AP000162, AP000065, AL050341, AL031776, AF191069, AC004068, AL031447, AI239321, AC005887, AL034417, AB001523, AL049694, AL034561, AF207550, AL033377, AC004848, AP000697, AL035246, Z82215, AL035423, AL049636, AL024498, AL050403, AC004695, AC007358, AC005088, AC007879, AC002350, AC007065, U91318, AC002449, AL135783, AC012152, AC005871, AC006040, AC007707, AC005971, AC007298, Z69666, AC007162, AC003090, AC006146, AL031116, AC005668, AC005972, AL121823, Z84718, AL117354, AC008064, AC007917, AC005323, AC005919, AD000833, AP000292, AL049795, AC007099,

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HCWKO51	1411	959684	1 - 482	15 - 496	T65671, AC003030, and AC004539.
HCWKO82	1412	827083	1 - 314	15 - 328	
HCWKP03	1413	924104	1 - 318	15 - 332	F30824, AI198292, AC004742, Z97053, AC005391, AP000044, AP000112, Z84466, AL050332, and AL050318.
HCWKP51	1414	725653	1 - 333	15 - 347	
HCWKP53	1415	664923	1 - 296	15 - 310	AL022161.
HCWKP56	1416	849861	1 - 386	15 - 400	
HCWKP63	1417	732447	1 - 323	15 - 337	
HCWKQ31	1418	849851	1 - 533	15 - 547	AA584765, Z85986, AC004032, AL022330, AP000462, AB017654, AP000511, and U91323.
HCWKQ55	1419	706487	1 - 406	15 - 420	
HCWKR13	1420	917268	1 - 309	15 - 323	N23693, AA227713, AW304519, N23689, AI054395, N23688, H48670, T05410, AA588242, AA223762, AI537310, AI355513, AW263396, AA736445, AC009247, AC005019, AL096701, AL031291, AC004659, AC002381, AL078638, AL132987, AC004878, AC006101, AL139054, AC002059, AC018633, AC005874, AF134471, AC005839, AC005184, AC005295, AC006211, AL117258, AC005095, AC002470, AC007308, AC002350, AF001552, AC003074, AC010077, AP000512, AC007774, AC007406, AC005988, AC008044, AC005089, AC006948, AC005316, AC002544, AL031054, AC004383, AC004522, AF109907, AC005317, AC006241, AC004966, AC006552, AC004236, AC007161, AL109628, AC002086, AC006480, AC005071, U40369, AC002551, M13792, AF003626, AC006088, AL096763, AC007677, AL022334, AC005519, Z95331, and AF207550.
HCWKR80	1421	527074	1 - 384	15 - 398	
HCWKS13	1422	657194	1 - 299	15 - 313	AW271211.
HCWKT11	1423	966989	1 - 355	15 - 369	AI244254, N22058, AA715418, AA955031, AL078472, AP000023, AC004106, AF003626, AF139813, AP000555, AC004858, AC005277, AL139054, AL022163, AC004228, AL031311, AF109907, AC005972, AL031594, AF129756, AC005666, AC004878, AC004491, AL122020, AL049872, AC005971, AC008119, AC004983, AC006064, AC006111, AP000501, AL033392, AC005288, AL049780, AC004622, AC004913, AC002316, AC005844, AC005829, AL009179, AC005778, AC003025, Z84483, AC004408, AC000085, AC004678, AL109758, Z84467,

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HCWKT43	1424	659539	1 - 230	15 - 244	
HCWKT57	1425	881629	1 - 331	15 - 345	AC006014, AC005488, AL049869, U29895, AC005529, AC008372, AD001527, AC005081, Y18000, AC007225, AC005011, AL021155, AC002544, AF111167, AC004526, Z85987, AC006538, AC002470, and Z98949.
HCWKT63	1426	849944	1 - 463	15 - 477	
HCWKV68	1427	959801	1 - 241	15 - 255	
HCWKV77	1428	527554	1 - 388	15 - 402	
HCWKV85	1429	932540	1 - 373	15 - 387	
HCWKX13	1430	466512	1 - 393	15 - 407	AA694449, AA568961, and AL031602.
HCWKX61	1431	676895	1 - 400	15 - 414	
HCWKX68	1432	725014	1 - 345	15 - 359	
HCWKX77	1433	772163	1 - 405	15 - 419	AC007463.
HCWKX81	1434	724873	1 - 437	15 - 451	
HCWLA68	1435	665744	1 - 291	15 - 305	
HCWLD01	1436	916439	1 - 691	15 - 705	AI476149, AI476150, AA310216, H90114, AA742815, AA904211, AA468371, T50676, AA468505, AA230025, AA614254, AA228368, N73060, AI050760, AI572680, AA188423, R33091, AI281561, AA224889, AI457313, AI634187, AW069227, T03928, AI431513, AI917132, AA584756, AA302978, AW304637, AI679221, AA171892, AA135761, AI310992, AI300818, AW243808, F29968, AI601229, AA228269, AI628859, AI884522, AA654763, AA728911, AA525753, AW340905, AI583142, AI754653, AA017149, AW028376, AW068008, AW068007, AA297776, F17537, H84412, AI277318, AI271762, AA077776, AA278496, AA493628, AA492524, AI635440, AI473995, AA206707, AW069537, AA557945, AA573062, AA587826,

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HCWLD06	1437	935392	1 - 439	15 - 453	
HCWLD30	1438	933118	1 - 419	15 - 433	AA302812, AL041375, AW340905, AW277174, AI291037, AL047349, AW270768, AA484892, AA630476, AA410788, AA570740, AA483606, AA228778, AA524616, AI199816, AW089625,

AA857812, AA568204, AI061313, AW242031, AI679759, AI984168, AI623764, AW103758, AW265688, AI962030, AA847704, AI355246, AI633168, AI040051, AI653776, AI8900046, AA489390, AI572680, AI815210, AW103030, AI431513, N23097, AA468956, AA507499, AA463590, AA558366, AA728911, AW082104, AA904211, AI696878, AA664604, AI148404, AI079901, R44593, AL037910, AI362442, AA158023, AI927275, AI445216, AA599080, AA610381, AI733856, AA582554, AW274078, AI859438, AI357976, AA513916, AA120920, N67313, AA424249, AA558488, AA609834, AW167154, N23913, AW023270, AA572983, AL044966, AA584484, T50676, AI245693, AW189068, AA176604, AI267356, AW026305, AI282479, AI278972, AI421950, AW408767, AI419337, AI598003, AI446623, H47736, AI285696, AI590593, AL119691, H60912, AI590404, AW068853, AI961983, R52008, AW302709, AI830390, AI053673, AA600202, AI417469, AL049694, U95739, Z82214, AC005029, AP000359, AL034417, AC005004, Z98048, AC005231, AC007055, AC003041, AC005043, AF165926, AC007308, AC005089, AC002470, Z99716, AL031283, AL132777, U85195, AL034420, AF196779, Z83847, AC003101, AE000658, AC005726, AP000514, AC005755, AC004526, Z83844, AL049795, AC002316, AL022721, AC006441, AP000114, AL133246, Z93241, L44140, AC002314, AF111168, AC004797, AD000671, AC007536, AC005696, AL034379, AL033525, X55448, AL035587, AC005071, U80017, AC003029, AC004757, AC005261, AP000555, AP000553, AC006530, AC005962, Z97054, AC004760, AB014078, AC005730, AL031255, Z98044, AC002472, AC000025, AC005015, Z93020, AP000046, AP000008, AC004895, U91318, Z93017, AC007160, AL031659, AP000557, AC007193, AC020663, AC006252, AL049776, AC009516, AC004150, AP000509, AC003080, AC007664, AL031277, AC007376, AF019413, AC005399, AC000041, AC002563, AC006111, AL020995, AC005920, Z93023, U78027, AC003007, AC005844, AC004832, AL031767, AL035417, AF129756, AC006014, AL080243, AC002477, AL117694, AL121653, AL049760, AC004814, AL035422, AL031681, AC005940, AC005544, AL049829, AC005324, AC005624, AC005907, AC005280, AC004622, AL078593, AF045555, AL021154, AC016025, AL117337, AC006121, AC005921, AC005145, AL022336, AC004878, AC002351, AP000556, AF196969, AC003043, AL031589, AC005971, AF205588, AC004253, AL024507, AC006057, AC004491, AL022165, AC006141, AL121655, AC007371, AC006146, AL096701, AC007216, AC005409, AC005332, AC006511, AL020997, AC002996, AL031295, AL022313, AC008071, AC007283, Z95152, Z85986, AC006285, AC003992, U91322, AC005081, AC007436, AF038458, U91326, AC004967, AC005899, AC005775, AC004821, AC004099, AC004796, AL008710, AC006116, AC008018, AC004653, AP000050, AL035460, AC002425, AC002288, AC002480, AL024498, AL023575, Z93930, AC007011, AL034549, AC007199, AC004983, AL133448, AL009181, AP000472, AP000117, AC004765, AL021453, AC016830, AL050321, Z84476, AL117351, AC002350, AC006251, AC005881, AP001053, AL133245, AL008730, AC004659, AL031289, AC004913, AL121595, Y14768, AP000011, AP000159, AC006160, AC004596, AC006449,				
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HCWLD83	1439	728219	1 - 304	15 - 318	
HCWLE11	1440	880982	1 - 399	15 - 413	AI431966.
HCWLE34	1441	576816	1 - 416	15 - 430	
HCWLE37	1442	960093	1 - 400	15 - 414	
HCWLE46	1443	719247	1 - 516	15 - 530	
HCWLE57	1444	764189	1 - 471	15 - 485	
HCWLE64	1445	745863	1 - 300	15 - 314	AA837796, AI521042, AA666066, AI587565, AI587583, AF141309, AC007227, AL020997, AC005231, AC006597, AL096791, AC005972, AC004686, AL021546, AC007845, AC003035, AC016025, AC004703, AP000359, Z93023, AL117328, AC004263, AL009181, U96629, AP000355, AC005015, AL034553, AF061032, AC004796, AD000812, AP000354, AC004041, AC003110, AC006344, AC002091, AC002126, and AL031672.
HCWLE95	1446	684331	1 - 175	15 - 189	
HCWLH02	1447	853014	1 - 688	15 - 702	AL038842, AI049630, AI733856, AA491423, AA528566, AA525517, AI886360, AI707744, AA508873, AI243793, AA857381, AA513189, AA765925, AA283081, AC007055, AC004804, AF019413, AL031848, AC005548, AC007193, Z75407, AL031678, AC007537, AL121658, Z98742, AC008101, AJ246003, AC005387, AC004738, AC004491, AC008079, AC005746, AL117354, AC005696, AL121603, AL021155, AC005562, AL035405, AC005409, AL031228, Z84480, AF134726, AC004020, AC005057, AL035089, AC004033, Z95152, AL031295, AC005058, AC005358, AC005015, AC007011, AC005899, AC007160, AL133448, AP000689, AC005180, AB023048, AC004605, Z83846, AC002369, AC004686, Z82176, AC005231, AC004859, AL109628, AP000497, Z93017, AC002316, AC004830, AC005859, AC007283, Z97630, AC005520, AC003029, AC006001, AC005209, U62293, AC002352, AC006271, AF118808, Z75741, AC005620, AL031311, AL121757, AC004797, AC006211, AC002302, M17262, AF124523, AC009069, AL031685, AC004254, AL132712, AB003151, AP000704, Z96074, AC002351, AL109984, AL008719, AC004673, AL109827, AP000556, AC020663, AL031666, AC005529, AL031276, U96629, AC004477, AL031846, AP000692, AC005071, AC002418, AC006120, AC004883, Z95115, AC006026, AL133163, AC003093, AL034548, AF126403, Y07848, AC005740, AL021707, AC004476, AL034423, AC009516, AF111168, AL008631, AF015720, AC003982, AC002299, AC006111, AC007731, AC006285, AC003007, AC005500, AC006077, AL021453, Z82215, AC000026, AC006057, L78810, AL049760, AC003110, AC004531, AC005695, AC004386, U72788, AC006449, AC000353, AC004099, AC006160, AP000500, AC004966, AL008635, AC004856, AL121655, AF139813, U95742,

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HCWLH09	1448	625558	1 - 517	15 - 531	
HCWLH20	1449	529356	1 - 336	15 - 350	
HCWLH42	1450	954875	1 - 677	15 - 691	AI791227, AA524604, AI708424, AI141202, AI628922, AL134669, AA663579, AI572680, AA504951, AI791720, AI791408, AL079869, AL119331, AA595370, AA577824, AA454870, AI708663, AW021674, AA723282, AI732327, AI828721, AW238137, AA640305, AI753969, AI745666, AI732720, T59943, AI174827, AW022796, AI889177, AI003086, AI049999, AI890297, AW338376, AA171400, AL042539, AI310464, AI434103, AA601712, AI733523, AW248479, AA218684, AW008217, AI860423, AI734119, AA084320, AI312614, AL044966, AI344906, AI270280, AA569220, AI148840, AI254267, AA643788, AA199578, AI221027, AI884404, AA652675, AW275432, AA330549, AW157128, AL044701, AA629668, F25759, AI872229, H64858, H64884, AW338633, H59797, AI679902, AI925423, AI679394, AI678812, AL036896, AA284638, AI884763, AA618531, AA554289, AI567676, AI678468, AI038029, AA525818, AA470490, AA834891, AI281622, N70293, T03576, AI963816, AA493546, AL133238, U91321, AB001523, AC005288, AC004703, AC004752, Z84474, AC006130, AL021940, AC006581, AL035086, AL021391, Z97054, AC007537, AC005412, AL008582, U80017, AF134726, AC005971, AP000692, AC008372, AC005358, AL132777, AL031587, Z84466, AC005519, Z98051, AL022315, AP000512, AL122020, AC005484, AP000099, AC006162, AF111168, Z82198, AC002310, AF118808, AP000365, AC003982, AL031846, AL031666, AC007226, AC002312, AP000036, AC004125, AC005585, AL121603, AC005180, AC004966, AC008044, AC006197, AC004816, AL049776, AC007878, AP000555, AC006254, AF053356, AC005899, AC004638, AP000503, AC005839, AC005747, AC006121, U63721, AC005829, AC006453, AC009516, AC007376, AC002418, AC004821, AB023051, AL049694, AJ246003, AC005326, AL078593, Z82201, AC004913, AC004890, AC005291, AC007227, AL022323, AC005837, AL031283, AL022165, Z97053, AC005527, AC005280, AL080243, U78027, AC005261, AL031670, AC004832, AC005031, AC005015, AL049759, AL121595, U85195, AC004999, AC007686, AC005529, AC004386, AC007421, AC005666, AL031427, U52112, AL022316, AC005911, AC006511, AC004552, AC005409, AL022163, AC006277, AC006026, U62293, AE000658, Z83840, AC005399, AC006538, AD000092, AL031311, AL034549, Z98200, Z93017, AC006241, AF111167, AC005932, AL049869, AL096701, AC003665, AC006530, AC004796,

HCWLH75	1451	670202	1 - 232	15 - 246	<p>AC002429, AL015422, AC005696, AL035455, AP000359, AL022476, AF088219, AF107885, AC007688, AL034420, AC005037, AC002375, U91325, AC006312, AL035460, AL009181, AC002377, AC005377, AL121655, Z98044, Z98048, AB003151, AC007193, AL008718, AC004659, AL022238, AC004805, AC007934, AC005632, AL049757, AC004673, AC007546, AL121653, AL117258, AL132712, AC016025, U62317, AC005553, AC005531, Z82208, AC006449, AL139054, AC005231, AL022326, AJ003147, AF111169, AC004702, AL109952, AC005755, AL022336, AC004671, AC006057, AC005089, AC007051, AC004228, AL035587, AL035659, AC005920, AC004997, AC002477, Z98742, AC006040, AC006344, L78833, AL133448, Z99716, AC003025, AC005907, AC004929, AL020997, AJ251973, AC004883, AC005355, AC006509, AC000379, AL050307, AC005057, AP001065, Z95114, AF109907, AP000279, AC004895, AL021707, AF139813, Z83844, AC005730, AC004812, AL023807, AC004263, AC003041, AP000553, AC006006, AC004662, AL024498, AC004150, AC003966, AL031003, AL050317, AP000556, AL035072, AC006001, U47924, AC006120, AL031286, AR036572, U91328, AC006211, AP000350, AC005722, AC007151, AC003957, AC003043, AC007160, AC004859, AC004967, Z92542, AC004491, AC004019, and AC007690.</p> <p>AI884861, C16780, C16638, AI267356, AA224525, AW270429, T02817, AI267450, AW270351, AI859906, T07225, AI084157, AW062363, AA706160, T08386, AA121784, H47368, AI002389, AI690474, AA730336, H38228, AL044177, N38991, AA526401, AI469392, AI889426, AI791227, AI732911, AA995373, F35684, AI984118, F30497, AA078509, AA652763, N29930, AI143653, AW019964, AW342143, N64577, AA598605, AI860535, AA857812, AA186905, H25626, AI537800, H83126, AW104831, AI888298, AI279477, AL021154, U02052, AP000432, AC005940, AL096701, AC005288, AC006130, AC006019, AF124730, AL117354, AC000026, AC004234, AL035695, AC009247, Z93930, AC005740, AL031670, AL031846, AL022165, AC007386, AC006965, AF196972, Z84480, AL022320, AC006255, AC004531, AC006930, AF020503, AP000501, AC004941, AC007283, AL078638, AF001549, U95742, AC005822, Z93016, AC006146, AL022316, AL033527, AL031277, AC007216, AL132712, Z97184, AL031664, AC007388, AC000092, AC006285, AP000466, AC005746, AC002316, AP000555, AC006539, AL034420, AC002059, L47334, AC000052, AC016025, AC005618, AC007376, L48038, AL035072, AF172277, AC002368, AP000550, AC006251, AL023281, AC004973, AL034553, Z83826, AC004967, AL022313, AF047825, AC004019, AC005488, AC005856, AC006538, AC005251, AF196779, AC005154, AC005004, AC006241, AL050348, AC005696, AL035455, AL022323, AL008583, AC004879, AC005911, AF111167, AP000557, AL008582, AC006236, AB023048, L78833, AL110279, AL049830, AC006529, AC000353, AC004020, Z97635, AL034451, AL031311, AL049758, AL035086, AC003965, AC002425, AC003689, AC004799, AL121603, AC005519, AC007358, AC004491, AC007193, AL034369, AC006946, AC008018, U95740, M17262, AP000349, AC007066, AF064863, AL022326, AC006441, AP000553, AC007690, AC002326, AC005913, AC004448, AC005399, AL109657, U91321,</p>
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HCWLH78	1452	935908	1 - 354	15 - 368		AF161019, and AJ131890.
HCWLH79	1453	959458	1 - 433	15 - 447		
HCWLH80	1454	577886	1 - 387	15 - 401		
HCWSB09	1455	923573	1 - 235	15 - 249		T06288, AI568754, T51118, AA626678, AI160117, T58567, AA347927, AA633892, AI439360, AA515224, AI872227, AI874231, AC006333, AL008721, AC006975, AC003041, AL0355681, AL034351, AC007676, AC006026, AL031657, AC005754, AC000052, D84394, AL096701, AC004019, AL021155, AC007637, AL118497, AL049697, AL080243, AC003982, AC002433, AC004972, AC005778, AC000003, AL022238, AC004890, AL021878, AP000313, AL021808, AC005023, U95740, AL049869, AL035072, AL022316, AP000050, AC021092, AC007064, and AF148319.
HCWSB30	1456	771897	1 - 496	15 - 510		AI914747, H06604, AL096701, AC004491, AC007055, AL023807, AC002559, AC007308, AC002470, AC005632, AC004834, AC004099, AP000344, AC012384, AC004967, AC003071, AC005089, AC003982, AC005189, AL031685, AC005915, Z93017, and AC006441.
HCWSB65	1457	728360	1 - 326	15 - 340		AC007536.
HCWTA02	1458	919258	1 - 341	15 - 355		
HCWTA59	1459	531422	1 - 221	15 - 235		
HCWTB01	1460	861850	1 - 358	15 - 372		AA135868, H73889, AA569179, AI281401, N55456, R48980, AA652949, AA302934, AL041895, AI364568, AA643770, AI800852, AI292317, R35259, H24957, AA247731, H66021, H58970, T06292, AA278496, AL037006, N74027, AA320232, AL036665, AA558487, AA856817, AA504865, AL080317, Z99128, AL034551, AC009223, AC008041, AD000813, AP000502, AF134726, AF126403, AC002116, AC002465, AC004139, AC004257, AL049569, AC003108, AC011331, AC004921, AC007388, AC004883, AC006392, AL031650, AL118516, AC006511, AC005488, AL035682, AL050321, D84394, AP000509, AF196969, Y10196, AP000135, AL121655, U80017, AC008134, AC006273, AC004185, AP000031, AC007878, AC004655, AC004914, AF030453, AC006088, AC004970, AC004671, AD000812, AL050318, AC005088, AL022324, U47924, U63721, AC000379, AL133245, AC007066, AL022315, AC005726, AC005324, AC000086, AL133243, AL031278, AC008044, AC005255, AC002126, AF024534, AC005480, AC020663, AL121653, AL031597, AL009051, AL049759, AC005578, AL008715, AC007360, AP000109, AP000041, AP000044, AP000112, AC005251, AF111168, AC006025,

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HCW/TB08	1461	920509	1 - 317	15 - 331	AI657485, N83963, N87188, N83707, AC006993, AF045432, U48697, AJ243486, U48696, U39066, AR018815, AF102850, AF001863, AF061744, AF011573, X99056, X99052, Y16299, X99058, X99051, X99055, X99060, and X99057.
HCW/TB11	1462	965024	1 - 328	15 - 342	
HCW/TB13	1463	861029	1 - 347	15 - 361	
HCW/TB14	1464	657621	1 - 315	15 - 329	
HCW/TB25	1465	677748	1 - 429	15 - 443	
HCW/TB31	1466	697615	1 - 465	15 - 479	AL045970, AF034803, and AL049694.
HCW/TB33	1467	702129	1 - 543	15 - 557	AI341548, AA167659, AA716348, AI798489, AA490183, AW274346, AI345654, AW419262, AI613280, AW193265, AW438643, W47183, AI350211, AI341664, AA446657, AA577906, AA551503, AI375710, AA719805, AI688846, AA973803, AA350859, AA599920, AW193432, AA649642, AA483223, AL121385, AI754658, AA486414, AI792518, AW408707, AA601222, AI962050, AA586458, AI061334, AA970213, AI619997, AW118338, AI002834, AI814735, AW080134, AA828712, Z97196, AC002470, AP000045, AC003957, AC006946, AP000501, Z94277, AC007685, AL049569, AC002531, AC004966, AC007274, AC002347, AC005295, AC005291, AL022315, AC005632, AL023575, AL049795, AL049712, AL035659, AC007191, AC007919, AC002430, AL031666, AL008718, AC005696, AL121748, AC007014, AC000353, AC006241, AC004019, AL133371, AC007384, AL008627, AC018769, AC009247, AC005231, AL080243, AC005900, AC005746, AC004987, AC004884, AL096701, AC005393, AC004584, AC007151, AC007128, AL050342, AP000113, AC005778, AC008372, AC003007, AR036572,

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HCWTB36	1468	529499	1 - 405	15 - 419	
HCWTB38	1469	732440	1 - 340	15 - 354	
HCWTB56	1470	853009	1 - 474	15 - 488	
HCWTB65	1471	861848	1 - 401	15 - 415	
HCWTB77	1472	771887	1 - 434	15 - 448	
HCWTB83	1473	730832	1 - 365	15 - 379	AC005045.
HCWTF05	1474	849954	1 - 304	15 - 318	AC004963.
HCWTF11	1475	966513	1 - 734	15 - 748	
HCWTF19	1476	668358	1 - 353	15 - 367	
HCWTF72	1477	760898	1 - 349	15 - 363	AI679759, AA313133, AA548692, AI065043, AA968509, AI362442, AA092862, AA128969, T60940, T39390, AI624990, AI620548, F00211, W44359, AW029574, AA904211, AI143653, AI289050, AI284092, H25626, AI254508, AI251696, AA302812, AA564256, AA598608, AW054936, F25640, AA814719, AA515929, AL042869, AA021139, AA557984, AA728911, AA857812, AA779018, AA132929, AA633565, AA457482, N57709, AA437402, N73060, AI917053, AI341664, AA700481, AW029269, AI560054, AW080772, AC006241, AC005755, AC004626, AC007066, AD000092, AC007055, AC009399, AL049636, AL031056, AL049643, Z92540, AC007376, U62317, AC005081, AL049779, AC002350, AC010170, AC005180, AC004832, Z98949, AC004686, Z92541, AB009666, AC004938, AC009181, AC005015, AL021393, AL049540, AC004623, AL117355, AC005920, AL035683, AC005071, AC007151, AC016026, AC004983, AL117330, AP000553, AC006285, AC002088, AC005993, AC008064, AC005826, AC005751, AC009721, AC005065, AL049871, AC007041, Z98304, AC007421, AC010582, AL034549, AC004383, AC008000, AC005829, AC022517, AL049780, AL022329, AL008582, AP000692, AC006236, AC005690, AL022165, AC005599, AB015355, AL021407, AL022316, AC002073, AC005291, AC007541, AC006127, AC002563, AL035659, AC006388, AC008124, AC006121, Z98052, AC006539, AC006277, AC006966, AC005231, AC005736, X51956, AL022396, AC000003, AC007938, AL031315, AC002558, AC006323, AC005666,

							AC007766, AC005874, AF134471, AC002476, AP000495, AC005102, AC006077, AC005519, and Z82215.
HCWTG01	1478	915863	1 - 451			15 - 465	T09124, H29110, AC007239, and AL117258.
HCWTG15	1479	659860	1 - 539			15 - 553	
HCWTG26	1480	681271	1 - 542			15 - 556	
HCWTG30	1481	954579	1 - 184			15 - 198	N83963, AI657485, N87188, N83707, U39066, U48696, AF045432, AI243486, U48697, AR018815, X99056, X99052, Y16299, X99058, X99051, AF102850, AF001863, AF061744, X99055, AF011573, X99060, and X99057.
HCWTG44	1482	657911	1 - 559			15 - 573	
HCWTG45	1483	662482	1 - 372			15 - 386	
HCWTG60	1484	740078	1 - 372			15 - 386	
HCWTG66	1485	754823	1 - 426			15 - 440	
HCWTG77	1486	924107	1 - 292			15 - 306	H54210, AA594169, T94094, T94176, AI445316, AI762836, AA601422, AI821390, AA054639, AC004263, Z99943, U95740, AL021546, AC004596, AC005412, AL132777, AC005372, AC018769, AC002091, AC006441, AL021394, AC005696, AC008372, Z85987, AL022476, AL008726, Z97200, and AP000556.
HCWTG81	1487	773341	1 - 339			15 - 353	
HCWTI25	1488	669935	1 - 421			15 - 435	
HCWTI33	1489	701757	1 - 321			15 - 335	
HCWTI38	1490	576883	1 - 355			15 - 369	
HCWTI44	1491	689971	1 - 384			15 - 398	
HCWTI47	1492	720023	1 - 341			15 - 355	
HCWTI54	1493	723080	1 - 263			15 - 277	
HCWTI01	1494	915878	1 - 322			15 - 336	
HCWTI50	1495	724072	1 - 297			15 - 311	
HCWTL24	1496	676906	1 - 311			15 - 325	
HCWTL25	1497	598511	1 - 428			15 - 442	
HCWTL51	1498	725482	1 - 425			15 - 439	AA493760, AA494202, AA362037, R10297, AC003003, AC004084, AC003669, AP000344, AC004967, and AC003010.
HCWTL52	1499	573539	1 - 321			15 - 335	
HCWTL58	1500	697623	1 - 380			15 - 394	
HCWTL69	1501	960597	1 - 440			15 - 454	AW393605, AI526146, AI541503, AI526179, AI557778, AI541501, AI526154, AI541531, AI541493, AI526185, AI557718, AI557740, AI557747, AI541516, AI557797, AI541487, AI557735, AI557779, AI541515, AI526178, AI541489, AB010555, V00124, V00125, J00036, J00037, J00034, J00030, J00038, J00032, and K00133.
HCWTL78	1502	760707	1 - 217			15 - 231	AC004539.

HCWTL85	1503	836155	1 - 426	15 - 440	AA635433, AA302982, T71936, AI249688, AI653525, AA515742, AA603264, AI049643, AA015948, AI587349, R70883, AI245679, AA368659, F31867, AA568204, AA570740, AA483606, T07878, AA229988, T49933, AI198718, AW051819, AA550959, AI289505, AA229159, AW304699, AI038304, AA809153, AA661948, AA516206, AI754567, AI569100, AW192599, N28624, AI754105, AI755214, AI821805, AW028950, AW188742, AW243945, AI791659, AI821056, AI080307, AA666295, AA167293, AA936718, AI792092, AC004216, U91321, AF124731, AC005358, AC002395, AC003070, Z98941, AF111168, AP000513, Z84469, Y10196, AL049776, AC007637, AC004859, AL021394, AC003037, AC004562, AC004913, AL022721, AC004686, AC006479, AF030453, AL049569, AC004765, AC005972, AL022238, AC005251, AC004382, AF001552, AF067844, AC005031, AL035090, AC005212, AC005049, AP000510, AC003954, AC005921, AL021918, AC005231, AC005632, AC007308, AC004832, AC003007, AL049760, Z82244, AF029308, AL109758, Z85986, AF109907, AC004159, AP000501, AC004694, AC005899, AL031431, AC005815, AL080243, AC006455, AC003665, AF196969, AC009509, AC006077, U80017, AL133243, AC006430, AC006050, AC006487, AC006449, AL023575, AC006026, AL121658, AL049709, AC005192, AC005015, AC005081, AL031255, AC004491, AL133245, Z98950, AL121653, AC004020, AL035455, AC007934, AC005325, AC004620, AC004383, AC002312, AL034429, AL109798, AC004816, AC006581, AL031848, AL049694, AC005562, AC006372, Z82198, AC004890, AL034423, AC004797, AC007437, AC004526, AC003990, Z98743, AC005913, AF130343, Z99716, AC005274, Z98036, AC003009, AL031733, AL109827, AL049795, AL031575, AL033530, AC006211, AC007731, Z82181, AC005070, AC007687, Z85996, AP000116, Z98946, AC007899, AC004865, AL109627, Z93020, AC004583, AC005696, AC009721, Z97053, AL031311, AL031681, AC002429, AC004783, AC007388, AF049895, AC005754, AC005160, AC005288, AL035400, AC004477, AL050318, AC007690, AC000379, AC002558, Z97195, AC005412, AC004584, AC004662, AC005901, AL132777, AC005088, Z97054, Z95152, AC002565, AC007617, AC004998, AC005089, AL023553, AP000694, AL049712, AC005829, AL133353, Z99496, AL031121, AC005189, AP000065, AC006007, AC004019, X87344, U80460, AL022336, AL139054, AC002350, AC002044, AL035684, AC006965, AL049872, AC006571, AC009294, AC002347, AC006006, AL139165, Z82188, AC009247, Z84466, Z98200, AC005900, AC003992, AC008134, AB003151, AC003101, AC002059, AC004990, AC007052, AC006120, AC005500, AC005881, AC006060, AC005920, AL034549, AC005225, AC009946, AC007065, AB026898, AL121754, AC005695, AC007533, AC005291, AC020663, AL135783, AL022163, AC005736, AJ010770, and AL031286.
HCWTL16	1504	661569	1 - 378	15 - 392	AA852413.
HCWTO06	1505	934912	1 - 347	15 - 361	AA666332, AI287475, H72530, AA640410, AA640430, H93453, AI049508, AI366993, AA536016, AW020893, AA478355, R99851, AW360845, AW376931, AI873852, AA679936, AA704393, W52505, AW168420, AI783581, AI732120, AA680243, R98221, H70076, AI110595,

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HCWTO29	1506	660457	1 - 398	15 - 412	
HCWTO35	1507	706525	1 - 379	15 - 393	
HCWTO52	1508	726444	1 - 425	15 - 439	AA843187.
HCWTO60	1509	681257	1 - 193	15 - 207	
HCWTP13	1510	656678	1 - 361	15 - 375	
HCWTP22	1511	674158	1 - 420	15 - 434	

HCWTP76	1512	731438	1 - 515	15 - 529	Z25525, and Z25531.
HCWTP77	1513	529346	1 - 399	15 - 413	AL035443.
HCWTP90	1514	788663	1 - 380	15 - 394	AA410788, AW130427, AA714011, AA583394, AA644090, AI923052, N23504, AA610509, AA574442, AW148507, AI753113, AW023111, AA191418, AI085867, AL040054, AI123396, AA603530, AA449997, AI962030, AI066646, AW238253, AL037910, AI370475, AA533408, AA659232, AI056177, AA659535, AA601327, AI251576, AA578621, AI278972, AI587583, AI587565, AI908093, AA630672, AL037632, AA833896, AI821987, AA714110, AI732869, AI086603, AW302711, AA579427, AI583466, AA833875, AA526683, AA557982, AA847508, AA702729, AA715814, AA570588, AW188427, AA526326, AW190302, AI279417, AA613624, AI016704, AI755202, AA629540, U48696, J00083, M37468, AF031078, AF030876, U67822, AL109798, U67820, AC004216, AC004408, AC002288, AL109627, AC005104, AF134726, AL020993, AB003151, AC000070, AL023575, AC007376, AC002364, AC005102, AC000353, AC005089, AP000502, AC005520, L78833, AC005305, AL020995, AP000691, AC005529, AC005005, AP000076, AC006023, AC005015, AL049757, Z85986, AC004962, AL049872, AF001550, Z95116, Z97183, L11910, AL031680, AP000689, AL035684, AC004050, AC006511, AC009247, AL133448, AL049766, AC004938, AC007690, AC004834, AC005952, AC005180, AC002546, U91323, U07563, Y18000, AF045555, AC002316, AC005988, AC000039, AL022320, AC003043, AL031056, AP000688, AL022311, AL035659, X76498, Z84469, AC004817, AL022327, AC005291, Z49235, AC005057, AC004967, AP000031, AC002395, AC007298, AC005081, AL136295, AL109801, AL121603, AL139054, AC002306, AL031276, U48697, AC006344, AC004859, AL049569, Z82178, AC003098, AC004813, AC007057, Z85987, AC007510, AP000049, AC005581, AC004883, U85195, AL020997, AC005933, AC002072, U47924, AL121769, AC006132, AL034429, AC004644, AC007450, AF053356, AL035587, AC005227, AC006509, AL078638, AC002219, AC003101, AC004525, Z98048, Z98200, AC004821, AC002369, AP000065, AL133163, AL133246, AL078581, AC008040, AP000311, AC005694, AC002472, AC005261, AC007052, AE000658, AL031295, AC007686, AC005722, Z99755, AC005064, AC005884, AC006538, AC006530, AC005667, AL021328, AP000306, AL035420, AC005037, Z82206, AC006239, AC007435, AL008719, AF093117, AC006953, AP000167, AP000120, AP000052, AC002492, AC005014, AF019413, Z98946, AC002404, AL080243, AC006077, AB023048, Z95152, AP000117, AC005071, AL109758, AC007999, AC002563, AC005736, AC004596, AC006211, AC004253, AC005500, AL049692, AC000118, AC007899, J03071, AC004804, AL049776, AC007731, AL022323, AC000004, U07562, Y10196, AC004815, AP000338, AC004797, AC006111, AC003982, AC005940, AL121653, AC012085, AC006121, AC005841, AC006275, Z93244, and AL031662.
HCWTP91	1515	661551	1 - 521	15 - 535	F05533, F05160, AF095687, and AC008039.
HCWTR08	1516	958791	1 - 334	15 - 348	
HCWTR54	1517	729290	1 - 333	15 - 347	AA904275, AA593471, AW020198, AW167154, AA112924, AA381762, H65464, AI285521,

HCWTR77	1518	659506	1 - 380	15 - 394	<p> AI886365, AA808998, AI598003, AW268277, H48546, AW117860, AA365586, AA610255, F32893, AI287964, AA745302, AA664604, AI952786, AA372106, AA310557, AI287921, AI754037, AI859280, AI799421, AL039187, M86058, AW166611, AA779783, F15524, AI014378, F26152, AA381747, AA804925, AI762575, AA574442, T80500, AA342189, AA728937, AA653139, AI452836, AW069450, AA528441, AA076427, AI832865, AI244356, AW383952, AI754689, AI291961, AA569202, AA740403, AI342622, AA579278, AI863399, AA987962, AA837715, AI581486, AI598060, AI471418, AA457754, AW103415, AI016704, H79156, AW189367, AA043218, AC005940, M87914, AC005874, AF134471, AC002565, AC005082, AC007055, AL121657, AC006539, AI006995, AL132987, Z84480, AF053356, AC007226, AC004522, AL136504, AC007151, AF045555, AL035448, AL035405, AL021918, AC005033, AC005954, AP000031, AL031677, AL049780, AL109799, AC005378, AC006137, AC005625, AL031983, AC007263, AL121655, AC002073, AC006544, AC005740, AC006480, AL080242, AL109627, AP000248, AL022332, AC005914, AC002350, AC005081, AL031846, AP000359, AC005924, AC005913, AC008040, AP000354, AL034421, U02068, AC009498, AL031133, AC003083, AC005520, AP000507, AC004921, AL022237, U85195, AC007041, AE000658, AL080239, AB000882, AC020663, AC004841, AC004660, AC004837, AC006468, AC007285, AC007308, AC008033, AL021808, AL121934, AF111168, AC002470, AL031985, AC005358, AC005412, AC002996, Z94056, AI003147, AC006023, D00591, AC004527, AL035542, AC004049, AC005288, AP000210, AP000132, AF091512, A51133, A76958, AF037222, AL049589, AC005409, Z97053, AL008635, AC004400, M87918, AC005796, AL031428, AC007225, AC004859, AP000694, AC007848, AF002993, AC006538, AC007536, AC006080, Z83826, AC002492, AL031053, AL031733, AC002558, AL049557, AC005803, AL135744, AP000255, AC003101, AL049697, AL121658, AL022320, AL021978, AC007011, AC004741, AP000152, AC006501, AC005800, AC004051, AL034555, AF205588, U73023, AL133448, AL020993, AL133246, AP000213, AP000135, AC005907, Z69917, AC007057, AL035089, AL133382, AC016025, AL049776, AC004685, AC004882, AC005821, AC007687, AC007388, D86566, AC004686, AP000208, AP000130, AL109984, AL031255, AC007270, AL022578, AC005291, AP000247, AL049636, AC005993, AC003688, AC005971, AC002394, AC006449, AC005755, AP000498, AC005180, AC004019, AC000381, AL049759, AC006055, AL031681, Z82206, AC005764, AC004150, AL034420, AF222685, AC007537, AB020858, AL049694, AC006455, AC005274, AF190465, AL035450, AC004996, AC004672, AC007899, AC003663, AC007686, AC004812, AC000015, AL008726, AC007735, Z49237, AL035413, D87675, Z49236, AC000353, AC004771, AC005215, AF038458, AL035587, Z73496, AL008725, AL031666, Z99570, AC006126, AC002319, AP000513, AC006285, AC007707, AC002316, U75931, AC005858, AC004821, AP000512, AC007371, AC004072, AC007993, AC005696, AC006977, AC005513, Z82182, AC007021, and AL022326. </p>
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HCWTS15	1519	654317	1 - 350	15 - 364	
HCWTS84	1520	669926	1 - 348	15 - 362	AB017567, AC005231, AC005911, AL121603, and AC005736.
HCWTT20	1521	669430	1 - 422	15 - 436	AW148697, and N75845.
HCWTT45	1522	576720	1 - 429	15 - 443	
HCWTT47	1523	706527	1 - 342	15 - 356	
HCWTT63	1524	542409	1 - 421	15 - 435	
HCWTT81	1525	712302	1 - 410	15 - 424	
HCWTT89	1526	786693	1 - 393	15 - 407	
HCWTU12	1527	934902	1 - 537	15 - 551	
HCWTU83	1528	780917	1 - 437	15 - 451	AA468131, AI820920, AW303196, AI696962, AL042853, AA493695, AI284640, AA468022, AA507824, AA478048, AW301350, AA478355, AI821670, AW270382, AA478209, AW149313, AI687343, AI873990, AA618452, AW020340, AA857486, AW274349, AI524360, AW302903, AW275510, AI963720, AA568869, AA515334, AI110844, AI369580, AA515549, F12561, AA847952, AI270117, AI499588, F00107, AI311927, F18164, AI457397, AA541423, AA019312, AA683258, AA468244, AI305766, AA523838, AA720702, AW021735, AI216990, AA661921, AW275971, AW301995, AA618349, AI247199, AL042753, AA640410, AA640430, AL046725, AA483771, AA515909, AL037040, AI567076, AI925579, AL038606, AA490183, AI345157, AW023149, AA834707, AW075948, AA580808, AA192740, AW303002, AA178953, H70994, AW245747, AW028429, AA584581, AA908687, AW193265, AI801482, AA491650, AW088846, AA719292, AI053911, AA188664, D44638, AL038072, AA588001, AA551552, AI567842, AI821494, AW163293, AI732865, AA724333, AI281881, AA548058, AI064952, AA521323, AA521399, AW440545, H18354, C04454, AA167055, AI133164, AL138455, AA493894, AA631507, AL039145, AA351056, AW340844, AI744826, AI254913, AI056177, AI865905, AA702729, AA780944, AL135357, AA523242, AW264934, AW103758, AW069510, AA491862, AA428792, AA410788, AA747070, AI580250, H23653, AL134957, AC007444, AL121603, AC006511, AC006371, AC005701, AC004987, AC008372, U95742, AC006965, AC006323, AC005242, AL009029, AP000459, AC007216, AC005194, AL049874, AL035405, AC007274, AC000353, AC006999, AC003003, AL031003, AB020862, AC007376, AF038667, AC009044, AL009179, AC005004, AC006211, AC005772, AC005884, AC007382, AL031666, AC004903, AL132826, Z98941, AC006336, D83989, AC004686, AC005230, AC004861, AJ239322, AC006998, AC004531, AF001549, AC005146, AC010202, AC004966, AC007666, AC004650, Z98744, AL035448, AC001231, AC007684, AL050318, AC005209, AC006479, AC005026, AL109985, AC006044, AC004858, Z93023, AL050308, AC005330, AP000055, AP000170, AC007270, Z99716, AC005291, AC003692, AC006058, AC004865, AC005768, AC007298, AC004519, U57008, AC005815, AC002299, AC002984, AC006960, AP000962, AL133445, AC005011, AC006004, AL034420, Z82198, AC005358, AC004611, AC007226, AL031668, AC004010, AC000052, AL118510, AL133399, AC005180, AL031429, AC008079, X54179,

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HCWTU84	1529	666642	1 - 153	15 - 167	
HCWTV17	1530	725862	1 - 416	15 - 430	AL674544, AA291234, AA284361, AW361644, and AB020718.
HCWTV62	1531	742696	1 - 564	15 - 578	N83991, N84712, N88601, N88782, N89520, AA093224, N84830, AA247964, N84855, N83992, N86694, AA095359, AA247827, N84048, H58760, N84718, N55698, AA096066, N83993, N83168, AA096046, AA471338, AA095641, N88518, N84829, AA093861, AP000528, AP000529, S78798, AF103726, U48696, AF045432, AF032922, AF102850, AR066487, AF039698, U39066, AJ243486, and AR066480.
HCWTV73	1532	574912	1 - 535	15 - 549	AC006013.
HCWTV88	1533	861846	1 - 543	15 - 557	
HCWUA19	1534	668355	1 - 399	15 - 413	AL044458, AA610644, H57752, H57751, W27084, AI114772, AI890971, Z99716, AC005180, AL031311, AC006271, AC004883, AC000353, AC007226, Z84469, AC009399, AC005763, AC005015, AD000092, AL031427, AC007993, AC005520, AF111168, AF165926, AC005703, AC006057, AC002461, AC004019, AC004881, AC007666, AL023803, AL050334, AC005011, AC004477, AC007193, AL035420, AC000052, AL031286, AL021707, AC007240, AL109984, AC004859, AC005829, AC005244, AC005940, AC005081, AL049538, AC006449, AC002299, AC004228, U73479, AC006139, AP001068, AL031584, AC008125, AL049872, AL022313, AC007057, AC005231, AC009542, AF053356, AL031678, AC002544, AP000558, AL035423, AJ011930, AC002312, AL008723, AP001053, AC002425, AL023284, AC007421, AC002350,

HCWUA23	1535	577964	1 - 407	15 - 421	AC005243, Z95116, U47924, and AL117352.
HCWUA43	1536	715000	1 - 369	15 - 383	AC005837. T07420, D51809, AA769056, AA808064, AA715709, R82432, T03401, AA715507, AA669616, AA632836, AA411741, W39287, W60522, AA445951, AA427808, F10773, AA812542, AA320941, AA745373, AA461274, AA397415, AA513484, N30876, AA577706, N44146, AI819391, AI903464, AA244267, AI249365, AI174489, AI884922, R53995, AA741403, W96522, AA325787, AA601390, AA343014, T41164, AA610381, N27615, AA470567, AA634926, AA907222, AA594179, AA780906, AA078428, AA487720, AA668166, AA774119, C15362, T41132, AA730359, AI252010, AI252880, AI83448, AI903448, AA355128, H29960, AI799421, AA058499, H94979, AA740571, AA648560, AI130855, AA216375, AA508026, R94909, AI671077, AI929298, AI929825, AA206594, AA376358, AW157180, AA663437, N40760, AL135018, AA635413, AA716440, AA594746, AA598740, AA600127, AI866377, M78065, AI038577, AI933478, AA508444, AA010973, R83878, H53109, H52053, N72439, AA532732, AA084439, AA827383, AA351808, AA653503, N73724, AI872073, AW342143, AA745302, AW272389, AA649488, AC006388, AC005081, Z99127, AB003151, X69951, AB020865, AP000300, AP000045, AP000113, AC006509, L13711, AC002401, L44140, AF111163, Z74739, AC004408, AC004616, AL050321, AF069074, AF125348, AC002425, AC005017, Z94056, AC005338, AP000565, AL008707, AP000557, Z98885, AF181897, AL096843, AL031431, AC002544, M84472, AC004755, U34879, U63721, AL021707, AC000024, D87011, AL078596, U91326, AL031664, D88270, AL050404, AP000563, AP000133, AP000211, AC004687, AF012339, AC005514, AL031602, AC002375, AL034350, AL079303, AC005015, AL096766, AL049761, AC005837, L35532, Z68162, AL031657, Z82203, AC008115, AC006064, AC005280, M22469, M18000, AB022537, AP000353, AP000354, U91323, AC005740, AC009802, AP000556, AF112441, AL031186, AC004583, AC007666, AP000497, AC007510, AL133249, U52112, AC000052, AC005722, AC004019, AR062818, AC005355, AL050332, U89337, AL031672, AL050341, AC002565, AC006146, AC005316, AC005026, AC005011, AC005317, AC007486, AC021092, AC000086, AC006273, AP000228, AP000140, AC006966, AL031005, AC005996, AC004000, L78810, AC005486, AP000088, AF129756, AP000270, AP000032, AP000555, AP000291, AP000256, AC005372, AC005868, AP000098, AP000111, AL034451, AC005208, AC006571, AC007226, AC005846, U17576, AB001907, AF195658, AL023694, AC005543, AL096794, U82668, AL049538, AL035659, Z82195, AC006014, AC004817, Z98044, AL033504, AL121603, AC007993, AC020663, AC005488, AL049780, AC006530, U68061, U95090, AL049856, AC005775, AC004825, AL021154, AC004253, AL009031, AL021578, AC002326, AL135744, AL050140, AP000699, AB029020, AP000348, U07563, AL049734, AC004659, AL035603, AL132800, Z99716, AC005602, AL035551, AC004070, AC002412, AL035455, U52111, AL021808, AC005747, AL035089, AC007637, AL135960, AJ131016, AL110505, AC004750, AC005568, AC005744, M26434, AL035398, AF045555, AP000502, AP000161,

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HCWUA90	1537	706532	1 - 360	15 - 374	
HCWUB03	1538	923556	1 - 446	15 - 460	
HCWUB08	1539	958770	1 - 392	15 - 406	AI633478, AA652675, AA489390, AL044458, AA693433, AF114095, AI080086, AA630476, AI567976, AI623505, AA369494, T41235, AW162664, AW439455, N24046, AI821287, AA502660, AA502509, AA167178, N70293, AI869094, AW085751, AI014872, AA341391, AA659303, AI821605, AA650288, AI640905, AI625042, AA599712, AA622637, N62478, AL042731, AA507499, AW328185, AI214574, R43468, AA829795, AI690379, AA595661, T62614, AA854460, AA648942, AI500151, AI392771, N92752, AI935827, AI540319, W04238, AA228268, H65404, AI753131, AC005048, AC007964, AL050307, AC004966, Z69650, AC004802, AL078581, AL049843, AC005839, AL050318, AP000497, AL132987, AC005516, AF031076, AL035684, AC004967, Z93931, L47224, L47226, AC002401, AL031295, AC005288, AC004213, AL022723, AL096716, X59875, AF060911, AC010349, AC004856, L09706, AP000250, Z98272, AC005257, AC005202, Z84721, AP000251, U62293, U63721, AC007536, Z81364, AC003109, Z98051, Z93244, AC005994, AC004874, Z99291, U78027, AC005057, AP000211, AP000133, AP000030, AP000502, AP000065, AL049757, AL035420, AL021393, AL034423, AL008721, AL035458, AL034420, Z98742, Z93017, Z93928, AC002039, AC007845, AL050343, AL035422, AC005343, AC003665, AP000248, U07000, AL024507, AL132716, AL049646, AP001046, AC005137, AL117337, Z98884, AL031584, AP000501, AC016025, AC007686, AL133163, AC005726, AL049779, AC005291, U91322, AC004019, AF205588, AL050323, AC006274, AL133404, Z97183, Z97184, AC004125, AC002504, AC004668, AC002433, AC004962, AL033527, AC004073, AC007879, Y14692, AP000269, AP000103, AP000033, Z97876, AC006162, AL109798, AJ010598, AC005361, AF200465, Z85986, AC004805, X87344, AC004526, AC005681, Z48051, AC002049, AC006125, AC002054, AL049540, AL035588, AL049690, AC002472, AC007664, AC006115, AC008018, AL121652, AL135744, AL049872, AC004000, AC000045, AC005358, AC005180, AB023178, AC003030, AP000152, AP000010, AC005231, AC004850, AC005822, AL049569, AL049776, AF031078, AF209704, AC005484, AF043233, U21936, AR022305, M14949, AF030876, AB007874, M31061, M33764, AC002551, X16277, M81740, X69907, AR007118, AF106656, AL023577, AL031845, U73640, AC005779, AC002103, AC004754, AC007201, AC005175, AC005944, Z81367, AC006167, AC005372, AC000401, AC005937, Z82901, AL049576, AL031321, U71148, AL021453, AC005755, AL133382, AC004776, AC006468, AC004771, Z97352, AL031597, and

HCWUB74	1540	765274	1 - 346	15 - 360	AP000503.
HCWUB83	1541	853008	1 - 434	15 - 448	AA804937, AI554512, AW084364, F03946, AL049761, Z93241, AL049631, AC018633, AC006443, AC004966, AC002045, AC005280, AC005484, AL035450, AC005940, AC005086, AC005562, AL132642, U91318, AL031670, AC006946, AC004217, AC005670, AL050307, AL031577, AL008628, AF047825, AJ251973, AC005305, AC006581, AC009516, AC004967, and Z81365.
HCWUC39	1542	572977	1 - 419	15 - 433	
HCWUC64	1543	588122	1 - 300	15 - 314	
HCWUC94	1544	721663	1 - 487	15 - 501	
HCWUD64	1545	746332	1 - 348	15 - 362	AI902698, AL121235, R76463, AI633479, AI828710, AA679936, AI732120, AA680243, AA478355, AA493894, AA654781, AI873852, AA366312, AL119649, AA018823, F00231, H84435, F00984, AI088768, F05324, AI049508, AL121207, AA618596, AW003867, AA012964, R86218, AA219150, AI536932, C14877, C14616, T84449, AA728990, AC002395, AC005071, AC004656, AC004159, AF038458, AL035405, AC004760, AC010205, AC005409, AC000159, AC005576, AC004983, AC006111, AC006050, Z85986, AC005484, AL121595, U95090, AC004841, AP000365, AF001550, AC004019, AC004253, AC006947, AP000514, AC004084, AC007637, AC006468, AL049781, AL050317, AC020663, AF111168, Z98752, AL034429, AC002404, AB003151, AP000688, AC007308, U73167, U90094, AC005399, AC009181, AL117338, AF200465, AC005619, AL031651, AC006211, AP000010, Z99716, AC007371, AL031311, AC004520, AL080243, and AC005943.
HCWUD83	1546	827340	1 - 429	15 - 443	AI657485, N87188, AA825827, U48697, AJ243486, U48696, AR018815, AF045432, U39066, AL031276, AC004223, and AC004596.
HCWUD85	1547	529221	1 - 282	15 - 296	AC004582.
HCWUD93	1548	574856	1 - 305	15 - 319	
HCWUF05	1549	849929	1 - 213	15 - 227	
HCWUF30	1550	691734	1 - 458	15 - 472	AA585101, AI525431, AI525556, AI540967, AI541374, AI541365, AA585476, Z30131, AI541535, AA585439, AI541514, D61254, T23957, R29445, R28735, T11028, AI546999, AL037436, AL037435, AI541523, AI546891, AI547039, AI5255306, AI557731, C16300, T23985, T41289, R29177, AI525316, AI546945, AI526073, Z28355, AI557807, AL040463, AL039915, AL043612, AL041197, AL040155, AL041346, AL041096, AL047012, AL041358, AL041277, AL041163, AL041098, AL040621, AL043538, AL041324, AL040464, AL044162, AL041086, AL043496, AL041296, AL041233, AL043444, AI541307, AI541017, T23888, AL045725, AI525320, AL041140, C16305, AL040193, AI557262, AL047219, AL041227, AL047057, AI526140, AL047170, AL040119, AL047036, AL040553, AL041292, AL041051, AL047183, AL040322, AL041131, AL046330, AL041133, AL041238, AL041142, AL045817, AL040529, AL040625, AL040510, AL043467, AL040149, AL044186, AI557787, AL044037, AL040091,

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HCWUF40	1551	703804	1 - 313	15 - 327	
HCWUF46	1552	656680	1 - 435	15 - 449	AL135783.
HCWUF54	1553	933212	1 - 232	15 - 246	
HCWUF84	1554	686711	1 - 162	15 - 176	AL032481, and AF049579.
HCWUG43	1555	697616	1 - 388	15 - 402	AL035530.
HCWUG59	1556	573548	1 - 396	15 - 410	AL134048, AA248952, AL049742, and AL022240.
HCWUG93	1557	920882	1 - 229	15 - 243	
HCWUH17	1558	662478	1 - 280	15 - 294	
HCWUH25	1559	677747	1 - 397	15 - 411	AA632445, AI424340, T98279, AA719535, and AC004749.
					AA374775, AI252506, AA643442, AA568298, AI580906, AA834731, H45320, AA223932, AI471887, AA601318, AI016704, AI057350, AA446767, AA643448, AA643444, AA808796, AA643452, AA643454, AA643457, R95060, AA429371, AW169581, T40452, AA501762, HI10143, AI205009, AI340641, AA602438, AA090344, HI10859, AL039187, AA812094, AI812082, AW265073, AA630834, AL037040, AA341263, AA814778, AA669434, W69364, AA808263, AI298246, AA610491, AI344812, AI932599, AI334464, AW268973, AA528603, AI754661, AA493864, AA664790, AI277226, AC002364, AC005159, Z93018, AC006213, AL049736, Z99716, AC005972, AF015722, AC007541, AB000880, AC004180, AC004517, AP000507, AB000882, AC004534, AC007556, AL117337, AC007052, AL133445, AL023284, AC008033, AL031132, Z98742, AC005548, AF205588, U91326, AC004448, AC007281, AC007542, AL022313, AL096773, Z85986, AC005901, AL021069, AC004042, AC010206, Z69838, AF196969, AC002544, AC005193, AF165926, AI229041, U57645, Z82181, Z68162, AF124731, AC006537, AL031257, AC004558, AC012627, AL031904, AF015720, AP000511, AP000097, AL049776, AL079339, AP000154, AP000012, AL034370, AP000961, AC006487, AL080242, AL049635, AC009721, AC004968, AC005288, AC005841, AC002036, AC004099, Z93020, AC004257, AL022237, AC004508, AL109963, AL031055, AL132987, AC005261, Z98950, AC007879, AC003041, AL031659, AC007051, Y11493, AB020715, AC007066, AL031685, AC004024, AP000495, AB016897, AL133163, AL031277, AC005152, AB007955, AL109610, AC006167, AL031057, AC006027, AL021453, AC002551, AL035419, AC006141, AC007324, AL022326, AC005153, AC004849, AC008101, AC004821, AC008079, AC007041, AC006538, AC004125, AC005291, AC004933, AL117342, AC005832, AC005531, AL049777, Z86090, AC005498, AC004934, AC002470, AC004227, AC007240, AF064861, AL033527,

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HCWUH85	1560	752790	1 - 366	15 - 380	AI460103, AA574077, AL049780, AC007055, Z84469, AC005187, AL133246, AL022163, AP000336, AP000215, AC003667, AP000156, AC004841, AL035653, AC005746, AP000014, Z99496, AC009721, AL021453, AC004024, AC004584, AC004616, AB003151, AP000688, and AL049776.
HCWUJ10	1561	964028	1 - 390	15 - 404	
HCWUJ17	1562	662483	1 - 374	15 - 388	C14614, AI199949, AI189004, AI963797, AA525071, C75012, AJ010597, AC005730, Z69650, AC005516, AC002465, AC005726, Z82190, AC005406, AC005530, AJ006995, U47924, AC006547, Z94277, AC001551, AC005664, AC005859, AC002350, AC005971, AC006013, AL109801, AL049843, AC000075, Z93244, AC005031, Z98950, U80017, AB023048, AP000511, AC002347, AL022723, AC007386, AL122003, and AC004477.
HCWUK13	1563	656679	1 - 378	15 - 392	
HCWUK56	1564	733122	1 - 443	15 - 457	AF186189.
HCWUK77	1565	771883	1 - 513	15 - 527	AC007681.
HCWUK95	1566	615550	1 - 266	15 - 280	
HCWUL03	1567	923572	1 - 478	15 - 492	
HCWUL19	1568	668361	1 - 301	15 - 315	
HCWUL24	1569	968380	1 - 413	15 - 427	
HCWUL32	1570	523358	1 - 301	15 - 315	
HCWUL36	1571	849901	1 - 424	15 - 438	
HCWUL47	1572	720024	1 - 513	15 - 527	
HCWUL69	1573	740373	1 - 244	15 - 258	AI657485, N83963, N87188, N83707, U39066, U48696, U48697, AR018815, AF045432, AF011573, AF102850, AJ243486, AF001863, AF061744, X99056, X99055, X99052, Y16299, X99058, X99051, Y07542, X99060, and X99057.
HCWUL74	1574	690750	1 - 354	15 - 368	
HCWUL83	1575	527566	1 - 543	15 - 557	
HCWUN05	1576	928191	1 - 287	15 - 301	F35659, AW074398, AA308806, AI499094, AW069807, F31204, AA365347, AI110770, AI914706, AA558697, AI284640, AI471481, AA515128, AA228329, F36273, F19258, AA318652,

T71998, AA729264, AI610159, AA551509, F37286, AA077935, R72392, AA515435, F35113, AA580662, AA593060, AI536555, W60516, AI003172, AA059154, AA362700, AI205126, AI561335, AA584749, N71724, AI742771, F32894, AI830390, AI053672, AW419262, AA550290, AI298710, AI334443, AA340003, AI446601, AA363501, AI963720, AI015912, AI557323, AI863283, AW264959, AA133986, AI886629, AI561060, AA366035, AA584458, AW264973, AW265197, AA658235, T07451, F26152, AA098922, AA077817, AA366820, AI446464, AI286356, H64777, F29989, AI349874, F28576, AI569086, AI688846, AI110822, AA350859, AA292574, H64560, AA095511, F25135, AA176924, AW337985, AW088058, AL046409, AW166815, AA578141, AI079910, AW193265, AL041368, AA428414, AI350211, AW130799, AI445436, AI890052, AI624698, AA919037, AW193432, AI963786, AL138455, AI281881, AI358229, AI879000, AA535661, AI061334, AI282907, AW188544, AI886176, AI431303, AA434484, AI287528, AW406755, H16048, AA878495, AW238016, AA747472, AL079645, AI365988, AI613280, AW303876, AI064864, AW276827, AA344959, AW406447, T16592, AI951889, AI951928, AI341664, AW339687, AL042856, AI281903, AA775049, AA581914, AL138265, AA973575, AI635272, AW072433, AA605274, AA838309, AW339568, T40338, AA377730, AL120483, AA743956, AA654627, AI761471, AI474713, AI648558, AI216799, AA491814, AA626678, AA745582, AA361344, AI859251, AA714595, AI871992, F18974, AA652057, AA649642, AA641989, AA856981, AI434706, AI565245, AW406162, F24284, AA669840, AA826032, AI887483, AW175641, N43757, AI287651, AA744074, AA745355, AA744088, AL079935, AI962050, AA557325, W95976, AA837755, AW264969, W95841, AL041690, AI266576, AA557879, AW029038, AA610491, AA733208, AI344844, AA579249, AW327360, AI375710, AI917271, AW408717, AA569187, AA310158, AA228420, AA450199, AA515051, AW270270, AA843450, AI312149, AA229785, AI358343, AI814735, AA745410, AI929531, AI872421, AW162489, AA378623, H92005, AI493634, AI246409, AA177061, AI148277, AI279165, R68874, AI279700, AW022046, AA664535, AI037914, AI270343, AW172727, AA654968, AI003743, AI921649, AL039958, AI653886, N23649, R93061, AA654771, AA125788, N25296, AW236342, F32705, AW439558, R91994, AI890928, AI299050, AI890923, AI904894, AW162049, AA650244, AI890570, AI376100, AL042420, AL120687, AA553436, AI016000, AI053816, AI054246, AF042090, AC008173, AP000556, AP000552, AC007682, AC005815, AC005011, AL109985, Z99495, M87918, AL049562, U34879, AP001172, AL132994, AP000558, AC005592, AL023799, AL096861, AC006367, AP000557, AC009516, AC007285, AC003992, AF148319, Z97876, AC000118, Z93024, Z98172, AC004467, AP000555, AL079340, AL031770, Z82210, AC007537, AC007488, AC006255, AL031428, AL121748, AL031542, Z65382, AC005619, AP000263, AP000100, AC006344, AP000036, AC006143, AF126403, AP000018, AP000159, AC005866, AP000855, Z98884, AC005324, AC006128, AL049845, AL109807, AC002364, AL034402, AC005030, Z97200, U02058, AC003006, Z84490, AC005412, Z68881, AL034452, AL049697, AL121603, AC005495, AL031116, AC004495,					
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HCWUO10	1577	861840	1 - 480	15 - 494	<p>AL049643, AC006006, Z82198, AL049588, AC004993, AC007151, AC006045, AL031054, AC004893, AF023460, AC008928, AC005856, AF020503, L13713, L13706, L13714, M87916, AC004542, AL035089, AL049869, AC005066, AF077058, AC004861, AC006277, AF181896, AP000095, AP000239, AC006960, AC007632, AL109622, AL110502, X55925, AC007191, AC006323, Z95113, AC004016, AC002379, AC004638, AC006251, AP000402, AC004894, AL080285, AL049776, AL031803, AC007666, X75335, AC006336, AL021453, AF072099, AC006374, AC004184, AC003971, AC006071, AC004935, AC004111, AC002482, AC006205, AC004466, AC010072, AC006019, AC007099, AC007690, AC005154, AL033381, AC008040, AC005331, AC000052, AC001164, AP000306, AC007114, AP000299, AL023882, AC004799, AP001042, AP001043, AP000047, AC004940, AC006561, AL008709, AL031732, AL118497, AL096774, AF003627, AL133399, AL008728, AC007160, AL035593, AL031777, AC006525, AL132776, AC002564, AC005250, AL031686, Z98043, AL049635, AB020859, AP000045, AP000113, AP000115, AF017257, AL035446, Z82975, AC007043, AC004987, AC004918, AL031276, AC004130, AL031256, AC004222, AC005002, AL006998, AL049709, AC006315, U80017, AC008062, AL031224, AC004848, AP001038, AL031650, AL022724, AC004931, AC004453, AC004695, AC006195, AL078603, AC004990, AL023803, AC007510, AC004626, AC006213, AC010205, AL031584, AC005912, AC005409, AC009178, AC006305, AP000567, AL133238, AC003986, AC006043, AC005284, AC009891, AC007298, AF001549, AC005069, AC004381, AL034384, AC002523, AC002429, U66059, AC004526, AL078477, AC005084, I51997, U02063, AP001068, AC005745, AL050341, AC006476, Z97056, AC003070, AC005099, AC007262, AC005157, AC009802, U18391, AC007277, AC007773, AL079295, AJ229042, AC005808, AC005251, AC003104, AC000159, AL049761, AC005541, AL109760, AC002401, and AL035458.</p> <p>AA584620, AW192373, AI049504, AI917132, AA904211, AI307563, T86119, AI540840, T57767, AA158549, AA829044, AI114704, AI792539, AW272294, AA225406, AI049845, AI636734, AA634786, AW082076, AA491767, AL079894, H71678, AW157005, AI917904, AI244157, AI581486, AI800426, AA528390, AA992126, AI801505, AW237905, AI028510, AA564582, AI270370, T50676, AA158759, AA629836, AA551548, H79308, F33138, AI708005, AA527209, AW028950, AL046519, AW438850, AA438662, AA742815, AW302017, AA714110, F17416, AA570441, AA595661, AA326014, AA297666, F24728, AA468505, AA612727, AI003086, AA657835, AI031759, AA526643, AC006538, AL080243, AF053356, AC002511, AC005722, AL034420, AC005324, AC004797, AC007546, AC008372, AC005015, U91321, AF196969, AC004975, AC006441, AC004787, AL031577, AC006511, AC002350, AC005598, Z98742, AC005529, AC004854, AL022311, Z82245, AC005696, L44140, AL117338, AL035587, AL133353, AC005527, AC004983, AC006057, AP000350, AL031005, Z82184, AL035071, AC006505, AP000359, AF047825, AF196779, AL033392, AC003982, AC003108, AC005666, AC004876, AC004887, AL109627, AC005695, AL031683, AC020663, AL031291, AL096791,</p>
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HCWUO81	1578	756978	1 - 439	15 - 453	AW440373, AW139492, AC004150, Z98747, AC007204, and AC006539.
HCWUP64	1579	746328	1 - 264	15 - 278	
HCWUQ02	1580	968431	1 - 483	15 - 497	AI657485, AF102850, AF001863, AF061744, AF045432, AI243486, U39066, U48696, U48697, AF011573, and A70147.
HCWUQ77	1581	719064	1 - 379	15 - 393	
HCWUR43	1582	714529	1 - 542	15 - 556	AI054414, AF001552, AC005209, AC006312, AL022313, AF134726, AL009181, AF109907, AC005940, AL021937, AC002477, Z99716, AC005288, AC004382, AP000553, AF111168, AL022315, AC007227, AP000557, AC004975, D87675, AL034420, AC004922, AL031311, AC004149, AL022320, AC005081, AC006241, U07563, AL031255, AL008582, AC008372, AC004447, AL080243, AL035495, AL022237, AC005696, AC005067, AL031281, AC005300, AC005102, AL031602, AC005057, AF030453, AC004876, AC005565, AL096774, AC004841, AC005264, AC016830, AC005335, AL034423, AC005730, AC003038, AF129756, AC004883, AC006211, U62293, AL133448, AB023049, AC005484, AC004531, U89337, AC005088,

						AC006538, AC005874, AF134471, Z73359, AC006449, AC004796, AC006344, AC007216, AC005899, AC002425, AL034417, AL031005, AC004150, AC006480, AC005619, AC006026, AC005089, AC007308, AL049569, AL035681, AP000556, AL049539, AC005519, AF196969, AC005280, AC007686, AL035587, AP000115, AC005193, AC002301, AC007421, L78810, AC003007, Z83844, AC005531, AC007387, AL031666, AL049757, AF031078, AC004685, AC005015, AC004854, AC002375, AL031589, AC005261, AC016027, AC005190, AC002404, AB003151, AP000142, AP000248, AC005377, AC006273, AC005225, AF030876, AC005666, AP000689, AL035249, AC009330, AL035072, AP000305, AC009247, AC004752, AC008101, AC004263, AC009516, AC005670, AL049636, AL021546, AL021155, and AL031662.
HCWUR83	1583	958776	1 - 379	15 - 393		AI361673, AC002094, and AC005955.
HCWUR95	1584	711186	1 - 492	15 - 506		
HCWUS02	1585	919224	1 - 292	15 - 306		AI914239.
HCWUS29	1586	690351	1 - 615	15 - 629		AA165563.
HCWUS63	1587	542330	1 - 445	15 - 459		AI652927, AB002803, AP000241, AF124731, AP000201, AP000097, and AF026199.
HCWUS72	1588	855815	1 - 318	15 - 332		AF097485, and AC005089.
HCWUT24	1589	676902	1 - 386	15 - 400		AI653905, H73720, AA080863, AA069022, M78005, AI300507, AL031228, AC006130, Z96641, Z85986, AC005089, AC004106, and Z96498.
HCWUT46	1590	861836	1 - 474	15 - 488		AA122111.
HCWUU04	1591	614859	1 - 348	15 - 362		H82979, F00112, AA662982, AI963797, AA516310, AI199949, AI189004, C14614, AA524604, N59038, AC004242, AC007666, AL031670, AL021918, AC004797, AP000346, AL109914, AC004020, AC003667, AC004019, AC005529, AC006449, AF165926, AC004887, AL008723, AL133163, AC007371, U47924, AC005214, Z93023, AC005288, AC006014, AC007055, AC004477, AC007263, U82828, L44140, AL109623, AB023054, AC006547, U80017, AC005664, AL021707, AC000075, AC004081, AC005071, AL031293, AC005031, Z85987, AC005057, AC005752, AC007686, AF205588, Z93017, AC000003, AC004057, AC004929, Z95113, AL008718, AL121652, AC005317, and AL031229.
HCWUU07	1592	861959	1 - 496	15 - 510		
HCWUU16	1593	661570	1 - 307	15 - 321		
HCWUU58	1594	735736	1 - 223	15 - 237		AA525331, AA431350, AA431634, AA705118, AA526092, AA665517, R79654, W92302, AI733660, AI821775, AA225548, AC007372, AC004802, AC004911, AC006277, AC002395, AC004056, AL133289, AC002394, AL031848, AC004832, AC004752, AL049823, AF019664, AL031657, AL035703, Y13901, AL023807, and AB016897.
HCWUU78	1595	574908	1 - 433	15 - 447		
HCWUV17	1596	662485	1 - 340	15 - 354		AI064787, AA669618, AI560413, H82557, AI525319, AF169482, AA525464, AA765736, AA478355, AA974503, AA737432, AI174766, AA610491, AA502866, AA468131, T47970, AW149313, AI866856, AI223604, AW002350, T86545, AI093030, AA846952, AW023389,

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HCWUV24	1597	676909	1 - 386	15 - 400	AL049775.
HCWUV28	1598	686171	1 - 552	15 - 566	T98176, AF111168, and AL020997.
HCWUV65	1599	676334	1 - 359	15 - 373	
HCWUV76	1600	615554	1 - 337	15 - 351	

HCWUW01	1601	915860	1 - 493	15 - 507	
HCWUW04	1602	614844	1 - 340	15 - 354	AA36835, H59296, H96676, H85763, H84047, AW069273, AP000331, AP000172, AP000057, AP000125, AC004109, AC007687, AF126403, AL035458, AP000688, AC004801, AL035249, AP000687, Z46936, AC005697, AC002425, AC006132, AC005015, AP000039, AF006501, AC005070, Z98950, AC004582, AC007240, AC005887, AC004854, AC004893, AC007535, AL035079, AC007999, AL031729, AP000280, AL031587, AC007637, Z99291, AL049760, AC009263, Z99497, AC007114, AC005871, AP000107, AL031281, AC002472, AL034561, AP000694, AC007664, AB002059, AC007207, and AC004835.
HCWUW55	1603	964086	1 - 538	15 - 552	
HCWUW58	1604	694016	1 - 348	15 - 362	
HCWUW69	1605	882383	1 - 378	15 - 392	AC010436.
HCWUW76	1606	769808	1 - 535	15 - 549	
HCWUW84	1607	782840	1 - 349	15 - 363	
HCWUW90	1608	712303	1 - 365	15 - 379	
HCWUW95	1609	706528	1 - 369	15 - 383	
HCWUX02	1610	852993	1 - 541	15 - 555	AC005247.
HCWUX25	1611	614857	1 - 405	15 - 419	
HCWUX78	1612	773336	1 - 451	15 - 465	W86785, and R09187.
HCWUY16	1613	661550	1 - 527	15 - 541	AC007708, AC009288, AC008132, AP000550, AP000552, AC007664, AC007325, AC007981, AC008018, AC012330, and AC005815.
HCWUY19	1614	922920	1 - 1082	15 - 1096	AW189204, H64247, R89015, H73207, H62796, H62711, H73281, H95089, T99705, H77855, H77907, R84881, AA203271, and H64246.
HCWUY26	1615	681249	1 - 309	15 - 323	
HCWUY41	1616	711771	1 - 286	15 - 300	
HCWUY69	1617	615630	1 - 538	15 - 552	
HCWVA18	1618	849894	1 - 350	15 - 364	AI499795, and AW002986.
HCWVA25	1619	754314	1 - 187	15 - 201	N88601, N84855, N83168, N86694, AA095359, AA096066, AA096046, N83993, AA247827, N88782, N83992, N84712, N84048, N84718, N88518, AA095641, N55698, AA247964, N83991, N84830, N89520, AA471338, H58760, N84829, N87898, N87989, N56555, AJ243486, U48696, U39066, AF039698, AR066487, AF103726, AF102850, S78798, AF032922, and AF045432.
HCWVA44	1620	716347	1 - 122	15 - 136	
HCWVF94	1621	793533	1 - 659	15 - 673	H57015.
HCWWH59	1622	770274	1 - 438	15 - 452	
HCWWH65	1623	747324	1 - 175	15 - 189	
HCWWH67	1624	772342	1 - 328	15 - 342	AA251067.
HCWWH69	1625	861830	1 - 465	15 - 479	AC002536.

HDCAC05	1626	975255	1 - 457	15 - 471	AL134902, AI142131, AL134536, AL119401, U46351, AL119341, AL134527, AL134526, AL119418, U46349, AL043019, and AR054110.
HDCAD10	1627	963330	1 - 489	15 - 503	AW272294, AA225406, AI870453, AI635028, AI762528, AI133514, AA565319, AI923451, AI860751, AI923458, AI279417, AI587467, AI133332, AA160563, AI282629, AA877992, AW243793, AI192440, AA528503, AA528574, N64587, AC007371, AC006241, AC005081, AC004125, AC005696, AC005015, AC007363, AF001548, AL023575, AC005189, AL022323, Z99716, AL049760, AC006511, AC006441, Z95114, AL049569, AC005082, AC005011, AC002288, AC005874, AF134471, AB026898, AC002404, Z85986, AF196970, AC009516, AC002477, AC004905, Z99128, AC005529, AC006965, AC005921, AC007878, AL139054, AL022313, AL109984, AC007285, AL035071, AL034420, AC002314, AC004813, AL022320, AC005839, AL050307, AC006958, AC006312, AB023048, AC002352, AC007055, AC005280, AL021807, AC004882, AC005089, AL049872, AC004491, AC005484, AP000044, Z98941, AC004895, AC004531, AC006121, AL136295, AC007773, AP000697, Z83840, AP000098, AC005409, AC008009, AL035703, U62631, AC004782, AC000378, AP000209, AL049829, AC004686, AP000112, AC002425, AC005578, Z83844, AL022326, AL049832, AL049780, AC005231, AC004910, AC005527, Z97053, AL031311, AC007327, Z83847, AF067844, AC006480, AC004983, AP000696, AC004903, AC007938, AC005697, AL132777, U47924, AC004805, AL031657, AP000248, AF002223, AC004067, AC005943, Z93016, AL096773, AC004966, AL117337, AC005086, AC005237, AL031848, AC005516, AC005755, AC007182, AC005412, AC003695, AL035209, AC006946, AL021707, AC004655, AC008038, AF196971, AC005519, AL049643, AC007225, AL023284, AF001549, AC000026, AC006512, AF181896, U91322, AC002546, AC003108, AC005520, AL009181, AL049576, Z82244, AC004659, AC004797, AC003962, AC004099, AC004098, AF045555, Z81365, AC010200, AF205588, AP000694, AP000568, Z98946, U91326, AC004854, AC004033, AL034379, AC004821, AP000692, AL031670, AL049776, Z49208, AC000025, Z85987, AF030453, AC005255, AL122020, AE000658, AL031597, AC005537, AL022336, AP000086, AL133245, AP000313, AC004967, U91321, Z98304, AC007637, AC006597, AF047825, AC005971, AC002070, AL022401, AC004743, AC006064, AC005088, Z84469, AL021939, AC005207, AC007193, and AL096766.
HDCAG86	1628	852970	1 - 389	15 - 403	
HDCAP64	1629	922818	1 - 343	15 - 357	
HDCAV79	1630	881404	1 - 483	15 - 497	AL035541.
HDCAY54	1631	959750	1 - 430	15 - 444	
HDCBO38	1632	961931	1 - 214	15 - 228	
HDDMA83	1633	926991	1 - 759	15 - 773	AW371972, AA885936, and AF038963.
HDDNY79	1634	933804	1 - 443	15 - 457	AL049569.
HDDOC53	1635	934157	1 - 879	15 - 893	AF150417, AI888578, AI826769, AW327712, AW168059, AA628915, AI884992, AA761358,

AI707839, AI382085, AI359894, AA224907, AA234724, AA548422, AA234791, AA831987, AW268716, AW404640, AI344460, AI933178, AA548402, AI826730, AW172286, AA224806, R69361, AA961626, D20106, AA028112, AA028111, AI421970, AA455772, N39304, AI263331, AI494201, AL043168, AW022102, AW044029, AI923989, AL040161, AI538885, AI440263, AI345347, AI744923, AW088134, AL038778, AW084056, AL119457, W81248, AI312428, AI307569, AL121270, AW148478, AI889168, AI366992, AI002285, AW268072, AW075084, AI310925, AI334884, AL037030, AW131428, AA572758, AA493923, AI343091, AI349226, AI345397, N49165, AL041150, AI468959, AI567582, AI886415, AA420722, AL079794, N29277, AL119863, AI683860, AA983883, AI254226, AI348917, AI696626, AL119511, AW059828, AW411310, AL046463, AI859464, AW089572, AW020710, AI349957, AI281867, AI554821, AI267185, AI829327, AI800159, AW161579, AI345005, AI631216, AI251485, AI961589, AI887775, AI590603, AL119399, AI539766, AI702301, AI868204, AL042382, AI612885, AL047344, AI609911, AI436429, AI499986, AI915295, AI345745, AI349256, AI312152, AL134259, AW269097, AI885989, AI587121, AI349933, AI312399, AI345608, AI349937, AI566479, AI307543, AI345737, AI348897, AI345251, AW071412, AI307734, AI307708, AI336513, AI312325, AW071395, AI340659, AW071377, AI345736, AI348895, AI307494, AI336495, AI918554, AI340644, H89138, AA805751, AI340627, AI281782, AI334930, AI309443, AI349622, AA600801, AW071380, AI307520, AI582871, AI498579, AI889147, AI340664, AI310592, AI611728, AI282355, AL047042, AI348969, AI345739, AI345674, AW075207, AL036664, AL040586, AI312143, AI345471, AI343037, AI349637, AI345735, AI868163, AI310927, AI267532, AI559752, AI366974, AI307578, AI824375, AI345111, AW020693, AL042544, AI349955, AI312210, AW075093, AW055252, AI312432, AI310930, AI345114, AI312271, AI312357, AI307210, AI345224, AI336662, AI345156, AI345253, AI589267, AI277008, AL036802, AI311159, AI648408, AI690536, AI289542, AL119836, AI955906, AW151136, AI313320, AI310575, AW089689, AI570966, AI312237, AI679959, AI313352, AI251221, AW022682, AL040694, AL036772, AL036718, AI307503, AL036396, AL138406, AI311892, AA012905, AI950664, AI307736, AI340519, AI802372, AW089275, AI340603, AI623736, AW020095, AI349814, AI285419, AI349266, AI334452, AI349787, AI307542, AI340533, AI344938, AI252077, AL045664, AI345370, AI334445, AI312146, AI312339, AI309431, AI340537, AI343059, AI500659, AI348854, AI345258, AI241763, AL023653, AJ010277, AF132676, AF061836, I48978, AL050024, A90832, A08916, AL122098, A08910, A08909, AF036268, X63574, AB016226, AF090896, S78214, AF113676, AL050146, I89947, A08913, AL137521, AL122110, AF090943, AF087943, X70685, X52128, A08912, AL110159, U77594, AF065135, Y11587, U68387, AF146568, AL080124, A08908, AL049430, L31396, L31397, I89931, S61953, I49625, AF113694, AF094480, AL110225, U72620, AR068753, S77771, AL117394, S76508, AL122123, I89934, Y16645, I33392, AF118090, AL137648, U78525, AR038854, Y10655, A18777, AL133093, AF089818, AL137529, AL110171, AF003737,					
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HDLAC80	1636	799887	1 - 302	15 - 316	AL035461.
HDLAD61	1637	775541	1 - 388	15 - 402	D82449, AA079011, W15176, D82382, D82521, AF077040, and AF073344.
HDLAH25	1638	796174	1 - 323	15 - 337	AA404215.
HDLAK03	1639	923285	1 - 201	15 - 215	AL047643, A1499503, F32724, AA715268, AA683031, A1744739, AA641103, N48131, A1923140, A1341664, A1061591, A1114660, AW157326, F36273, A1890928, A1890570, AA362700, AA847216, A1914706, AA364567, AA551509, A1307201, AW074398, F35113, AA515051, AA658235, A1613261, A1205126, AL041706, AW021857, A1553983, AA715362, AA669416, A1608626, AA484148, AA443065, AA578961, A1715270, A1445117, A1955323, F19258, A1624698, A1143242, AA354507, A1471572, AW193265, H64777, A1709365, W03190, AL079683, H04821, A1510838, AA514737, A1792287, A1310138, AA580662, A1149915, AW340922, A1432270, A1264743, AA328591, AA330772, A1051551, N43757, AA630352, F28576, A1937850, A1569086, AA973575, A1358343, AW341892, AA548137, AA318652, D58782, AW337985, AA450199, AA878495, AA458804, A1079910, AW130799, A1921649, A1445436, A1890052, A1963786, AA569306, A1880168, A1376100, AL079645, AA601270, AW265654, A1379719, A1110770, T06556, AW074059, A1356904, A1922654, A1564284, R44592

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HDLAN36	1640	923478	1 - 85	15 - 99	AC018633, AC005951, AC002553, AP000553, AL110502, and AL023879.
HDLA027	1641	787084	1 - 422	15 - 436	AI581067.
HDLAQ50	1642	723854	1 - 307	15 - 321	
HDLAR24	1643	943930	1 - 305	15 - 319	
HDLAV29	1644	922276	1 - 393	15 - 407	AI220255.
HDLBB03	1645	923286	1 - 327	15 - 341	AF162761.
HDMAQ15	1646	941282	1 - 1134	15 - 1148	AI141684, AA242853, AI281834, N50984, AW014432, AA826047, AA977801, AA984041, T64272, AA994205, AA252172, AI361098, T64144, AI280735, AW084330, AA931748, AW071613, R09320, AA448980, AI990634, R09211, AW388104, AI147841, AI198101, AW238793, AI627898, AW074546, AW072130, AI276023, AI394689, AI457707, AI953242, AI539262, AA947158, AA150147, D44958, AA034918, and AC004126.
HDMBH76	1647	883212	1 - 1214	15 - 1228	AA584604, R17976, and AA297873.
HDMBK12	1648	968954	1 - 424	15 - 438	
HDPAA89	1649	693445	1 - 501	15 - 515	H51802, H67354, T67670, AA700794, AB029488, and AC002536.
HDPAB03	1650	924124	1 - 356	15 - 370	AL078600.
HDPAD22	1651	674560	1 - 470	15 - 484	AI492865, AA836291, and Z59212.
HDPAE86	1652	709072	1 - 505	15 - 519	H49713, and T87022.
HDPAF70	1653	881626	1 - 452	15 - 466	
HDPAG03	1654	771636	1 - 216	15 - 230	AC005946, and AC006272.
HDPAG32	1655	947832	1 - 627	15 - 641	
HDPAH10	1656	969041	1 - 516	15 - 530	T97458, AA704961, AA704993, T97730, R09226, AI097092, AI264637, AW440517, T97914, AA203274, AA045417, AA127626, AA308065, T96809, F22528, AA304050, AA082078, AI087224, W39584, AI042559, N32838, AI289816, AI333981, AA513003, AA121528, AA716353, AA302332, AI805206, AA677140, W44935, AI208270, AA112905, AI024761, AI087291, AA448463, AA101212, AI685445, AI094396, AA932240, AA331180, AA062780, N42284, AA045311, and AA973273.
HDPAQ24	1657	677179	1 - 425	15 - 439	AF223944, AF110330, and Z61018.
HDPAS40	1658	860041	1 - 567	15 - 581	AC003004.
HDPAV74	1659	916457	1 - 396	15 - 410	
HDPAZ46	1660	719024	1 - 434	15 - 448	
HDPAZ73	1661	756742	1 - 496	15 - 510	AI734217, AI830204, AI764987, W20302, AA328526, AI344107, AI668657, R54083, AA334776, AA151813, AI921148, AA815201, AA386170, AA122312, AI361541, AI284342, AA071290, AI284343, R60683, AA399256, T36239, N23786, T65297, AA779556, AA425224, AA350782, AW004629, AA888883, F02683, F10790, F03793, R41712, H29594, N46213, R39944, R40964, R48971, R44252, R44573, R50366, AF182814, and AJ243721.

HDPBC24	1662	760623	1 - 340	15 - 354	AI401449, AA075859, D26362, AC000391, and AC002323.
HDPBD79	1663	973367	1 - 159	15 - 173	AJ003449, AI970509, H23104, N45556, AL040461, AI216366, AA927218, AA912892, AL078614, AL137712, and AL109748.
HDPBJ94	1664	945460	1 - 810	15 - 824	AA296462, AA223692, AB023188, Z54728, and Z54729.
HDPBM64	1665	773091	1 - 397	15 - 411	
HDPBO71	1666	888109	1 - 301	15 - 315	
HDPBS54	1667	904762	1 - 2050	15 - 2064	AI721185, AI066646, AA700943, AW023111, AW070532, AI249997, AI471476, AI362442, AI357628, AI955029, AI305547, AA663074, AI755202, AW089016, AA502207, AL039042, AL039041, AA721722, AI061313, AW028950, AL042373, AA837035, AA602906, AA569402, AI821044, AC005015, AC009501, AC005228, AC004878, AL096701, AC007193, AL049540, AC004813, AC002997, AL021937, AC005914, AC004897, AC005562, AC002381, AL117258, AC005088, AC005747, AC004832, AC006285, AC002544, U80017, AC007308, AC005599, AL034548, AF200465, AC007199, Z86090, AC007546, AC005921, AL021393, AC008033, AL133246, AC006312, AC002316, M63796, AC007226, AF111169, AC006597, AF196779, AC004883, AC004125, AL049843, AL121652, Z93023, AL035249, AL078581, AJ010770, AC004912, AC007227, AC004999, AL049779, AF196969, AL096774, AC005082, AC005031, AL035587, AP000304, AL035413, AC004554, AC004806, AC004686, AF196971, AC002115, AC004796, AC005873, AC007052, AC006948, AF124523, AL121653, AP001054, AC004638, AC006241, AC005102, AC004587, AL022097, AC005786, AP000509, AC005081, AC006430, AC007540, U07000, AF107258, AL133448, AC004223, AC010205, AC006211, AC003109, AL049697, AL121595, AC005412, AL049757, AL117328, AC005844, AC008101, AC005722, U95742, U63721, Z99496, Z83840, AC003963, AC000134, AC000392, U62292, AC005696, AF053356, AC003684, AP000047, AL022318, AL049712, AC005409, AC007011, AL049766, AB023051, AL080243, AC005280, AB023049, AC004953, AF001548, AC004881, AC005500, AC004216, AC004520, AL024507, AC002400, AL022311, AL109801, AC005776, AL133353, AP001053, AL022329, AC006509, AC005209, AC004973, AC004991, AC007731, AC004989, AC007999, AC004263, AC016830, AF121781, AC004383, AC008055, AC005695, U96629, AP000513, AC002091, AC000092, AC004910, AF111168, AL022313, AL049795, AC005920, AC007298, AC002073, AL049650, AL031659, Z98884, AP000115, AC000353, AC003663, AC005089, AL031282, AC004671, AC004025, AL049569, AC006530, AC007041, AC007934, AC007637, AL049869, AF109907, AC005519, and AC004551.
HDPBW10	1668	964553	1 - 460	15 - 474	AL045848, AA582554, AI832000, AI292085, AI264046, AI251024, AI446205, AW270768, AW008074, AW149975, AI291037, AW302709, AW277174, AW236235, AA219651, AI078409, AI803915, U91326, AC002544, Z93942, Z83826, AP000105, AP000037, AC008063, AC009399, Z93931, AL031286, AJ229042, AL133243, AD000092, AC003962, Z83843, AC004386, AL031728, AC005239, AL021154, AP000150, AC006123, AF107885, AP000009, AC004202, AC002310, AC007565, AL022316, AC007684, AC007676, AF047825, AL020997, AL049776,

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HDPBW26	1669	670345	1 - 240	15 - 254	AC007172, and X84692.
HDPBX82	1670	779848	1 - 533	15 - 547	AL478349, AL624865, and AC005336.
HDPBY23	1671	858345	1 - 505	15 - 519	AA004919, C16939, AW301353, and T06985.
HDPCC48	1672	709005	1 - 423	15 - 437	
HDPCH65	1673	950716	1 - 493	15 - 507	AA284452, and AL135744.
HDPCK27	1674	683383	1 - 450	15 - 464	
HDPCK66	1675	766231	1 - 432	15 - 446	
HDPCKM35	1676	973352	1 - 455	15 - 469	AL096805.
HDPCKN22	1677	927838	1 - 610	15 - 624	H81040.
HDPCKN94	1678	794275	1 - 753	15 - 767	AL122086, AF120323, AB022915, AF120324, and AF121102.
HDPCKR34	1679	852871	1 - 327	15 - 341	
HDPCKS43	1680	714479	1 - 299	15 - 313	
HDPCKV60	1681	720278	1 - 846	15 - 860	AI762468, AA039789, AA039790, AI040678, AW044237, R69130, W80467, R69248, N69997, R66283, R79969, R80067, R66282, R08901, and W80576.
HDPCKW90	1682	612234	1 - 427	15 - 441	T86522, R05896, and R01279.
HDPCKY03	1683	924057	1 - 455	15 - 469	
HDPCKY43	1684	958157	1 - 468	15 - 482	AF118808.
HDPCKY93	1685	571375	1 - 431	15 - 445	N44631.
HDPDI78	1686	773556	1 - 362	15 - 376	AB014599.
HDPDI24	1687	677166	1 - 376	15 - 390	AF150205, R94203, and AF161539.
HDPDI90	1688	735027	1 - 442	15 - 456	AI940403, AC005363, and AC005606.
HDPDL62	1689	691647	1 - 647	15 - 661	AA573618, and U81831.
HDPDL79	1690	774943	1 - 570	15 - 584	AW177005.
HDPDN08	1691	959332	1 - 927	15 - 941	AA216672, AA078092, AA829049, and AC007444.
HDPDO46	1692	719010	1 - 449	15 - 463	AA808002, AA467766, AC007276, AL031650, AL096861, Z84480, AC002525, AL031575, AP000569, and AL035073.
HDPFC15	1693	745045	1 - 195	15 - 209	
HDPFF07	1694	974494	1 - 798	15 - 812	AB033030, and AF151363.
HDPFJ21	1695	852824	1 - 376	15 - 390	AL034555.
HDPFQ93	1696	772456	1 - 373	15 - 387	AL049766.

HDPEV55	1697	575202	1 - 544	15 - 558	AA833892, R84376, and AA382114.
HDPFW80	1698	734937	1 - 495	15 - 509	
HDPFY90	1699	788870	1 - 353	15 - 367	
HDPEZ58	1700	735975	1 - 515	15 - 529	AW404640, AF150417, AL023653, and AL049683.
HDPGB73	1701	574603	1 - 355	15 - 369	AL134996, AB018413, and AB011143.
HDPGG28	1702	625678	1 - 446	15 - 460	
HDPGH27	1703	937144	1 - 315	15 - 329	AA362688, AA362690, AA362689, T29199, AL044652, I07209, I07249, AR068508, AR068510, AR067734, AR067731, AR068509, A63954, I09267, I09270, I91969, I09268, I09269, A49701, I09252, I09251, AR067732, A29109, A32111, I66495, AR068550, A23373, AR068551, I66494, E01324, I08638, A94048, A94061, AR035224, A94046, A94054, A49045, I58322, I58323, I66498, I66497, I66496, I66486, I66487, A27169, A27170, A39929, A83151, AR038307, AR038321, AR051528, AR051547, AR051537, AR051524, and A42964.
HDPGI14	1704	415961	1 - 432	15 - 446	AI018392, AA576672, H84975, AI929768, AW157282, AA599045, H77773, AA847622, AA828053, AA826320, AA598731, AC003982, Z84466, AC005102, AC003665, AC002350, AF126483, AC004752, AL022238, Z98257, AC005105, AL135783, Z98742, Z86064, AP000289, AP000042, AP000110, AC007537, AC005581, AC004685, AC005015, AB020868, AC006581, AL080243, AC004000, AC004797, Z82976, AC005971, AC006026, AC005280, AC005736, U47924, AC001234, AC004526, U93305, AL031905, Z83822, AL049874, AL023575, AF060568, AL022717, Z84487, AC006241, AC006011, AC007671, Z99916, AL031673, AP000350, AC005886, AF001549, AL049631, AC005031, U80017, AC007193, AC002477, AC005932, AC002470, AF198095, and AF091512.
HDPGI21	1705	760926	1 - 340	15 - 354	
HDPGI95	1706	919792	1 - 443	15 - 457	
HDPGL65	1707	666830	1 - 515	15 - 529	
HDPGM85	1708	783563	1 - 451	15 - 465	
HDPGO30	1709	780359	1 - 408	15 - 422	AA287508, W15561, and N80792.
HDPGO52	1710	852800	1 - 422	15 - 436	
HDPGP54	1711	464312	1 - 669	15 - 683	AL031123.
HDPGP75	1712	872249	1 - 409	15 - 423	AP000172, AP000057, AP000125, and AP000330.
HDPGT43	1713	495783	1 - 547	15 - 561	AI700109, AA468022, W60328, AC002470, AC005529, AC005666, AF055066, AC009516, AF053356, AL096791, AC007308, AC005940, U47924, AC005071, AC004638, AL022238, AC005690, AC005057, AL008715, AC005527, AC004263, AC004814, AC007919, AC005387, AC005829, AC000353, AF045555, U95740, AC005695, AF207550, AL022724, AC004156, AL031587, AC004921, AC009044, AL031295, AC005914, AF165926, AC007066, AC002378, AL136295, AC012627, and AC005694.
HDPGU50	1714	720595	1 - 330	15 - 344	

HDPGX44	1715	683277	1 - 454	15 - 468	
HDPHB75	1716	915912	1 - 127	15 - 141	
HDPHF59	1717	677172	1 - 211	15 - 225	
HDPHG23	1718	416041	1 - 312	15 - 326	
HDPHG42	1719	732133	1 - 602	15 - 616	AA408550, AA408705, AA407627, C18204, AA401857, AL031733, and AL137762.
HDPHG89	1720	733198	1 - 588	15 - 602	AC005005
HDPHH51	1721	921093	1 - 471	15 - 485	AA447601, A1769676, A1052170, A1383501, AA416632, T99484, AW237237, AA652361, AA652166, A1202729, AA115105, AA356475, AA828854, and AC005156.
HDPHI02	1722	919825	1 - 448	15 - 462	
HDPHI71	1723	760325	1 - 391	15 - 405	
HDPHI36	1724	706624	1 - 301	15 - 315	
HDPHK96	1725	921957	1 - 815	15 - 829	AA654874, A1380617, AA780933, AW243945, A1355080, A1148557, AA564582, A1718462, AA445908, H73550, AA678616, A1683116, H67649, H48768, AA405549, AA297789, AA086257, AA936718, AA078754, AA599532, AL041682, A1924207, AL042230, A1912401, A1816058, A1732911, AA320105, W04168, AL041681, F35551, AW051819, A1858889, A1053784, A1569401, AA584207, AA878407, AA904211, A1270647, A1061168, AA128969, H97379, AA669054, F31867, AA070330, AA558404, AA493947, AA302982, A1955360, AA471013, AA550757, AA345594, AA715955, A1053688, A1671077, AA425924, A1678992, A1792521, F32040, AW078821, AA572753, R99613, A W390284, A1347665, W81372, H68191, F25666, AA644223, AA460910, A1697425, AA581498, AA586433, F35674, A1472736, A1819262, N40092, H67064, AA019973, AA745552, AW440568, AA635413, AA013168, A1198718, AA460920, A1557422, AA678932, A1818545, A1753887, AA344768, AW081610, AA721523, AA461212, N86362, A1866580, N67313, A1701059, AA513884, AL134440, A1570237, A1620354, AA461223, A1889995, F35684, AA058312, AA420723, T17384, AA804334, A1133514, A126814, AL040521, A1370841, AA831913, AW419389, A1114557, AW275432, AA640310, AA515351, R93919, AL118912, AA652830, A1889579, N58505, AA487300, AW079737, AA601237, AA102737, AA249239, AL044177, A1002709, AA626595, AL121287, A1813783, AA568314, AA355128, AW019964, AL045423, AA504951, AA804297, AW023111, AA583132, T17332, AA551056, AA609826, AC004637, AL031984, AL022330, Z94160, AL133500, AC004032, AC002563, AL031775, AC010582, AL033380, AC006948, AC006276, AC004125, AC008119, AL031432, AC006023, AL031279, AE000662, AC006120, AC004111, Z83846, AL035682, Z98742, AL078638, AC002070, AL133244, AC004943, AL021939, AP000327, AC003108, AC006511, AC008149, AC007684, AC006241, AL021546, AC002303, AP000123, AP000055, D84401, AL132826, AL035588, AL031228, AL049911, AL022576, AL121578, Z70289, AR036572, U91328, U93305, AL049832, AC004601, Z97053, U52111, AC005220, AC002375, AL022721, AC004593, AC003683, Z95115, Z98048, AF196779, AC004820, AC007221, Z92542, AC005969, AC004465, AL050317, AC005495, X51956, AL117694, AC006512, AP000075,

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HDPIA15	1726	772020	1 - 588	15 - 602	AI635582, and AL049766.
HDPIC37	1727	954869	1 - 680	15 - 694	AI470828, AA888031, AL120421, AA229902, AA281976, AA204701, AA424801, AA410294, AA435831, AA397595, and AB002334.
HDPID10	1728	928163	1 - 547	15 - 561	H78846, R97122, AA331528, T85509, AW362954, AI193875, AW362978, AI193991, AA699647, AW362953, AI033788, AW363023, and AC005412.
HDPID37	1729	868169	1 - 554	15 - 568	
HDPIE42	1730	713081	1 - 389	15 - 403	
HDPIF86	1731	591540	1 - 488	15 - 502	AL120078, N28989, AA206257, AW378916, AL117258, and Y18483.
HDPIH48	1732	677664	1 - 511	15 - 525	AL022316.
HDPIP26	1733	681519	1 - 515	15 - 529	T84946, AL047527, AL047528, and AC002394.
HDPIQ55	1734	961163	1 - 458	15 - 472	T81944, T79115, and H63342.
HDPIQ65	1735	747791	1 - 426	15 - 440	AI732675, AA469134, and AA420876.
HDPII53	1736	926498	1 - 371	15 - 385	
HDPII61	1737	741724	1 - 408	15 - 422	AC004126.

HDPJA04	1738	628745	1 - 318	15 - 332	AW245495, AL046917, AW402628, H91107, AR012155, AB018357, and AB026628.
HDPJA26	1739	767110	1 - 455	15 - 469	AW161353, AW161055, AF150432, AL136504, AF189723, AF181121, AF181120, and M93017.
HDPJB08	1740	921453	1 - 403	15 - 417	
HDPJH05	1741	911170	1 - 2858	15 - 2872	AA905416.
HDPJK06	1742	852781	1 - 438	15 - 452	AI928173, and Z95115.
HDPJK73	1743	765446	1 - 403	15 - 417	
HDPJN68	1744	752907	1 - 314	15 - 328	T34282, T18874, AA983199, AI491817, AA579179, AA630672, AA010299, AI818231, F05641, AA425118, R12156, H15474, AI207363, AA513893, AL041373, AL041526, AL041527, F13380, AA410788, AA584170, AW022608, AI733856, AI056177, AA506744, AC005411, AC002431, AC009516, AC006552, AC006390, AL031432, AC004983, AL031283, AC005046, AC005953, AP000348, AB000931, AL035420, AL049830, AC006501, AC005756, AL031279, AB009667, Z83845, AL022237, AC004841, AC006312, AC005800, AC004812, AC002550, AC006313, Z69706, AC004534, AL078638, AL117694, AL022316, AC005071, AC002549, AC002070, AC006012, AC005305, AC012384, Z83856, AC003029, AL031466, AC007842, AF088219, AC012627, AC004675, Z84469, AC005759, AC006117, AC006480, AC002996, Z84483, AL031680, AC005837, AL133396, AL122020, AC005412, AC006120, AC005703, AC008975, AC004985, AC003080, AC005670, AL137191, AB023049, AL031591, AC006371, AL023913, AC002525, AF114156, AC005520, AP000281, AC004552, and AC007435.
HDPJO40	1745	711003	1 - 359	15 - 373	AA578690, and T05118.
HDPJP32	1746	918630	1 - 476	15 - 490	AF104015.
HDPJP79	1747	538038	1 - 465	15 - 479	AI110883, and AC002476.
HDPJR11	1748	965011	1 - 329	15 - 343	AW204366, AA865368, AA442937, AA436769, and AW197446.
HDPJU86	1749	785391	1 - 743	15 - 757	AI703393, AI656220, AI457528, AI214558, W15512, AA888880, W39617, AA995374, N56658, AI202894, N47548, AI916559, H06953, R54815, R45929, R45928, T27096, AI203071, AA782845, Z41377, F04514, N30325, and N47547.
HDPKD52	1750	959653	1 - 1159	15 - 1173	T20100, and AC003070.
HDPKD82	1751	778970	1 - 374	15 - 388	
HDPK140	1752	710991	1 - 355	15 - 369	
HDPKK25	1753	677921	1 - 551	15 - 565	AL031668.
HDPKB25	1754	965139	1 - 430	15 - 444	H47933, N99775, AW391235, and R58738.
HDPKC45	1755	909091	1 - 816	15 - 830	AI445866, AI816830, AA639828, R41845, AA258158, Z41214, H06057, F02752, T11904, and AL050333.
HDPKC60	1756	740144	1 - 382	15 - 396	
HDPKD11	1757	966610	1 - 430	15 - 444	AL120898.
HDPKD29	1758	690409	1 - 431	15 - 445	
HDPKD57	1759	734528	1 - 412	15 - 426	

HDPLD89	1760	786704	1 - 421	15 - 435	
HDPLE38	1761	706639	1 - 345	15 - 359	R58132.
HDPLE63	1762	703477	1 - 433	15 - 447	AA642326, AI267274, AI183572, and AB020719.
HDPLE75	1763	852685	1 - 447	15 - 461	
HDPLE88	1764	625293	1 - 323	15 - 337	
HDPLE96	1765	915966	1 - 437	15 - 451	
HDPLF86	1766	785316	1 - 619	15 - 633	AA181731, AI343501, AL137607, AF109219, AB030280, AB030279, AB030316, and AB030312.
HDPLG10	1767	964213	1 - 402	15 - 416	H45885.
HDPLJ28	1768	840111	1 - 145	15 - 159	AW085622, AW135279, AA779541, AI627872, N51608, AA382892, AI272986, AA416724, AL045453, AI440260, AW082088, AI249877, AI589428, AL037602, AI046466, AW029611, AW104141, AI921379, AW089351, AI280751, AI285432, AI873923, AI590043, AW075522, AI680066, AL037582, AI347701, AW129106, AW172981, AW079119, AI956086, AI797908, AI698391, AI273901, AI537244, AI500504, AW074763, AI866503, AI673363, AI673278, AW051088, AW193231, AI432644, AW020397, AW074172, AI345415, AI889189, AI472566, AI633125, AI538564, AI815232, AI915291, AI491710, AW152182, AA928539, AI521799, AI884318, F27788, AW006032, AW130134, AI559524, AW087455, AW080746, AI345688, AI582912, AW163554, AI522052, AI697207, AA019328, AI859991, AI610690, AI249257, AI951868, AI963625, AI241744, AA862606, AI579901, AW105383, AI499890, AI866801, AI432030, AW104827, AI096481, AI580694, AW083374, AI500714, AI690748, AI670009, AI376872, AI679796, AA279795, AA580663, AI559555, AI890533, AI633062, AW148408, AI818683, AW104724, AI612852, AI922707, AI573032, AI962858, AW167083, AI583065, AI537024, AI648567, AI570909, AI435268, AI378080, AI538885, AI269862, AI538716, AW104062, AI636309, AI679672, AI580435, AW150225, AI631095, AI538850, AI362248, AI580451, AI312542, AW191844, AI684305, AW303089, AW131139, AA641818, AI559619, AI921464, AI267185, AW170673, H89138, AI523964, AW265004, AI961393, AA693331, AI624084, AI611743, AI912356, AW081322, AI621341, AL041105, AI452560, AL047344, AI687295, AI799313, AI366900, AI540674, AI473536, AA761557, AI866469, AI564723, AL048656, AI446124, AW151847, AI803778, AI016107, AI567883, W74529, AI690312, AI688858, AI677777, AW075669, AI702073, AI800473, AI371251, AW130681, AI263312, AA420722, AI536685, AI798456, AI678446, AW075305, AW192461, AI433157, AI952493, AI811840, AI002285, AI433994, AI866465, AI540458, AI799674, AI811644, AI564719, AW082607, AI254731, AI685005, AI469532, AI918809, AI887569, W48671, AI570807, AI352274, AW083778, AI345612, AI357599, AI862139, AW193038, AW081653, AI921176, AI683173, AI345416, AW129722, AI564500, AI679800, AI581033, AI291601, AI433600, AI909697, AI802542, AL048312, AL134712, AI619502, AI609580, AI627988, AI628015, AW021717, AI567846, AI682971, AL119828, AA744557, AI591387, AW128841, AI587606, AI241923, AA768478, AW169784, AI500061, AI933992, AW085786, AI280637, AW078895

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HDPLK49	1769	835603	1 - 275	15 - 289	AJ239321, and AP000542.
HDPLN06	1770	935010	1 - 422	15 - 436	
HDPLN76	1771	921700	1 - 391	15 - 405	AA481295, AA213873, and AF001549.
HDPL050	1772	724098	1 - 714	15 - 728	AA355040.
HDPLT29	1773	958196	1 - 204	15 - 218	
HDPLV74	1774	765334	1 - 467	15 - 481	AL034375.
HDPM448	1775	582015	1 - 829	15 - 843	AI760818, and AI769951.
HDPMC49	1776	852767	1 - 1468	15 - 1482	
HDPMF53	1777	733466	1 - 384	15 - 398	R60108, AI914747, W89152, AI371165, AW102980, H71659, U07562, AC002073, AL049576, Z95115, AC005832, AL009174, AC002551, AF110324, Z99291, AC002365, AL035659, AC002132, AC005015, AC004779, AC007151, AC004672, AL035405, AC007207, AL031713, AC004953, AC007011, AF111168, AL008726, AC002994, AF064860, AC006064, AC006430,

						AC004472, AL031276, M31951, and AC000394.
HDPMH83	1778	661316	1 - 567	15 - 581		AB001535, AP001064, and AP001063.
HDPMJ93	1779	852763	1 - 571	15 - 585		
HDPMO62	1780	912722	1 - 570	15 - 584		
HDPMP25	1781	678068	1 - 588	15 - 602		
HDPMQ34	1782	956248	1 - 417	15 - 431		AA678970, AA515440, A1110760, AA680243, AA679936, A1633479, A1732120, AC005919, AC004382, AC008072, AF196969, L44140, AC005722, AC006285, AC005881, AC002470, AF109907, AC004655, AC002077, U63721, U95739, AC005244, AP000114, AP000046, U62293, AC004531, AC009516, AL022324, AC005037, AC007386, AC005057, AB022785, AC008989, U62292, AC004854, AC005225, AC005740, AC004526, AC004253, AC005776, U78027, AL031283, AC006576, AC004876, AL021155, AL049776, AC005695, AL021407, AC020663, AL022312, Z98200, AL035422, AL139054, AP000065, AC002310, Z93023, AC004815, Z98051, AC005180, AL049760, AP000553, AL022336, AC007387, AC005920, AC005280, AC000353, U52111, AF134726, AC005215, AC000159, AF165926, AL033527, AL049692, AL135744, AL031311, AC004477, AC005015, AC004448, AC006026, AC007637, AC002404, AC006088, AC007225, AC005565, AC006539, AC007919, AC005846, AF047825, AC004858, AC000134, AL031985, AL132987, AC005821, AC005839, AL008582, AC004067, AC004651, AC005899, AC007388, AC005562, AC007773, AC005486, AC006571, AC016025, AC004851, AC004383, AL133243, AL133245, AL035683, AF053356, AL031680, Z86061, AC004895, AL024507, AC009044, AP000555, AL035458, AC005837, AL022163, AC005071, Z93020, AL008635, AC005480, AC005552, AF152363, AC005484, AC002059, AL023553, AC005399, AC004223, AF205588, Z84487, Z98743, AC004821, AF207550, AC002115, U95742, AL031432, AC004813, AC007845, AC005682, AL096791, Z95329, AC005479, AC006251, AP000350, AL009181, AC006388, AC008372, AC002418, AL049871, AC007216, AC005500, AC006254, AL049829, AL132777, AC002565, AP000302, AC003957, AC006115, AC005189, AP000493, Z94056, AC003695, AC006120, AL022721, AL023653, AC007536, AP000503, AL049780, Z83840, AC007055, AC005907, AC005859, AC000026, AC005755, AC012627, AC005609, AL031666, AC004882, AL049636, Z95115, AC004525, AC004601, AC002492, AF196970, AC007686, and AC005632.
HDPMS42	1783	713759	1 - 460	15 - 474		H84948, R88291, AW014470, A1810506, R85497, C15173, AA704157, AA286825, D81736, and N93232.
HDPMV53	1784	697470	1 - 535	15 - 549		F09050, AA243386, C14449, AB007944, AF109076, AP000310, AC002301, AP000116, and I77096.
HDPMW22	1785	665153	1 - 452	15 - 466		AA447328.
HDPMZ01	1786	916447	1 - 635	15 - 649		AA418623, AA418556, AA253164, H11871, and F05796.
HDPNA03	1787	924082	1 - 97	15 - 111		AC005913.
HDPNC96	1788	934520	1 - 720	15 - 734		AA256100, and AB023182.

HDPND35	1789	973108	1 - 453	15 - 467	
HDPNE60	1790	974827	1 - 977	15 - 991	AL138082, AW246260, AW247807, AW246149, AI878829, AW403641, R07062, AA687496, AW403272, AA687440, AA852531, AI659057, AI079775, AW005562, AF197060, AB009346, AB038365, AB038364, and U58884.
HDPNJ03	1791	924081	1 - 512	15 - 526	AA883801, AI298498, N85346, and AA249868.
HDPNJ14	1792	767447	1 - 308	15 - 322	
HDPNC44	1793	707241	1 - 660	15 - 674	AA360824.
HDPND96	1794	939770	1 - 264	15 - 278	
HDPNDF25	1795	852745	1 - 484	15 - 498	AC003109, Z97055, and AC005630.
HDPNFI52	1796	927699	1 - 884	15 - 898	AI493647.
HDPNJI93	1797	792193	1 - 378	15 - 392	
HDPNKK47	1798	973097	1 - 388	15 - 402	
HDPNLL60	1799	767953	1 - 170	15 - 184	AI205285, AI264338, R48389, T57897, AI191491, R61591, AI365411, AA779717, AA227325, and AF056312.
HDPNLL66	1800	681391	1 - 424	15 - 438	AA909852, AI718702, AA830158, AA281962, AA283111, AA579393, AA814111, AA480552, AA477445, AI791799, AA807056, AA469312, AA653189, AW451366, AA814853, AI598013, Z84489, Z84814, Z84477, and AF060863.
HDPNXX65	1801	674963	1 - 283	15 - 297	AF001548.
HDPNYY33	1802	702285	1 - 208	15 - 222	
HDPNZ51	1803	926977	1 - 417	15 - 431	AI014353, AA592982, and R17976.
HDPNPA66	1804	870840	1 - 518	15 - 532	T99407, and T97870.
HDPNPC83	1805	683656	1 - 403	15 - 417	
HDPNPD59	1806	708334	1 - 223	15 - 237	
HDPNPG35	1807	579315	1 - 538	15 - 552	
HDPNPG86	1808	923846	1 - 328	15 - 342	AI767219.
HDPNPK33	1809	666510	1 - 557	15 - 571	AA528168, AA417878, N75120, AA688401, AI689902, N59545, N59559, N78301, AA426418, AL037450, AW016155, and AA610394.
HDPNPL30	1810	692095	1 - 581	15 - 595	AI453210, AA578690, AI950963, T05118, AI537407, AF036405, AC004408, AC007686, AC005666, AP000065, AC004985, AC005800, AP000347, AL049836, Z99716, AC005412, AF202321, AI229041, AL035458, AF107045, AC006006, AC000025, AL110502, AL050341, AC004491, AC005527, AC004686, AL035587, AC009247, AL031668, Z97876, AC007390, AF196969, AC008394, Z82188, Z95114, AC005789, AL078639, AC005529, AF111167, AL031295, AC010205, AL096791, AC004382, AC002300, AL132987, AC005907, AC005409, AC007731, AC006455, and AC005500.
HDPNPM09	1811	625281	1 - 516	15 - 530	AF041248, AF041249, and AF058759.
HDPNPN33	1812	958993	1 - 136	15 - 150	

HDPPN59	1813	909867	1 - 711	15 - 725	AA781406, AA304143, and AI079221.
HDPPQ88	1814	963382	1 - 629	15 - 643	
HDPPP24	1815	812091	1 - 543	15 - 557	AA082133.
HDPPQ39	1816	712993	1 - 463	15 - 477	AI951092, AP000555, Z98304, AL024474, AL035464, and AC004655.
HDPPU30	1817	671973	1 - 327	15 - 341	AL022238.
HDPPU44	1818	951276	1 - 437	15 - 451	AI741964, AA361063, and AR035946.
HDPPW36	1819	785239	1 - 392	15 - 406	N25176, AB013139, AC004612, AF069291, and AF049895.
HDPPX43	1820	674958	1 - 291	15 - 305	
HDPQA91	1821	973075	1 - 799	15 - 813	AL134920, AW392670, AL119355, AW384394, U46341, AW363220, AL119443, AW372827, AL119341, AL119497, AL119319, AL119457, AL042542, AL119324, AL119335, AL119396, Z99396, U46347, AL119399, AL119484, AL119363, AL119391, U46350, U46351, U46349, U46346, AL119444, AL119483, AL037205, AL042433, AL042614, U46345, AL134524, AL119439, AL119522, AL134902, AL134527, AL042975, AL119496, AL042450, AL042965, AL119418, AI142131, AL042984, AL042544, AL042980, AL042970, AL043019, AL043029, AL043037, AL042978, AL079683, AL043011, AL043033, AL042551, AL043003, AL119464, AL119320, AL119488, AL042850, AL043039, AL043008, AL042973, AL042428, AC006238, AB026436, AR054110, A81671, AR060234, AR066494, AR069079, and AR043113.
HDPQC21	1822	786516	1 - 347	15 - 361	AA844106.
HDPQC83	1823	830539	1 - 465	15 - 479	
HDPQJ45	1824	928430	1 - 309	15 - 323	AI708005, AI001764, H78032, N67343, AA302697, AI270524, AA086150, AW157492, AA338167, AA338659, AI634691, AI678785, AI879394, AA449710, AI591375, R65651, AA855056, AI932600, AA845700, AA095637, AI053911, AF034194, AF037630, AI858864, AA074342, AW302724, F17142, AA847702, AA722297, AA679538, AI921043, AL042927, AI355414, AI932932, AA746726, AA287339, AA719073, AI733856, AA961035, AA077401, AI054414, AA737321, H64265, AA747009, N55515, AI798493, AA083215, R88067, AA365815, H11824, AA828062, AA503587, AI817230, AI922930, AW089898, AI494417, AI732789, AA493110, AA569786, AW069227, AI307565, AA381138, AW081303, AA630535, T47324, H69089, H65109, AA608715, AI634187, AA568494, AA605201, F36184, AI457313, AA587991, C15060, AA837035, T35761, AA833896, AA833875, H83470, AW270784, T51005, AI206669, AW302017, T52857, AI348678, AI367473, AI002708, AI916218, AC007536, AC005771, AC005340, AC005953, AL049773, AC002072, AC006972, Z93848, AL008716, Z70280, AC010382, AC004896, AC005050, M87898, AJ010770, AF092858, AF116241, U51280, AF001551, AC004882, AC007999, AC007199, AL034375, AL021154, AL117352, AC031311, AC006120, AC009336, AC001228, AC006953, AL080242, AL078477, AC003086, AC005529, D63861, AC004799, AL020998, U07563, AC004584, AC009247, AP000356, AC004821, AC004098, M87926, AL023882, AC005933, AC006958, AL078584, AB023049, Z82214, Z84572, Z97181, AC006011, AC007559, AP000512, AL137430, AC004796, Z46936, AL117330,

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HDPQL15	1825	789876	1 - 415	15 - 429	
HDPQL64	1826	746043	1 - 394	15 - 408	
HDPQL72	1827	760934	1 - 382	15 - 396	W73902.
HDPQN03	1828	923168	1 - 437	15 - 451	
HDPQO40	1829	949723	1 - 1727	15 - 1741	AI680867, AA973037, AA868809, AW291165, AW169977, AA459970, AA235170, AA460062, AA235071, AA811821, AA234899, AW243583, R50382, T19463, R47735, AA765007, and AA748788.
HDPQQ77	1830	739816	1 - 363	15 - 377	
HDPQR31	1831	741278	1 - 422	15 - 436	AC003695.
HDPQU30	1832	768771	1 - 464	15 - 478	
HDPQV63	1833	744471	1 - 307	15 - 321	H09185, F12161, T75262, and T65253.
HDPRE08	1834	958933	1 - 661	15 - 675	H00911, H84847, and AP000404.
HDPRE10	1835	961306	1 - 400	15 - 414	AC005105.
HDPRG09	1836	828572	1 - 366	15 - 380	AI653128, AA608839, AI082182, AA294981, AW451945, AA361764, AI610135, AW402400,

HDPRH02	1837	919404	1 - 777	15 - 791	AA926743, AA759066, AA287428, AL039683, and AB033038. AI348070, AI373167, AI378134, AI553832, AI816769, AA804474, AI401522, AA887492, AI084865, AA741486, AI796192, AA913644, AW071892, AI942465, AW007026, AA279724, AI381670, AI292178, AA279692, AI291674, AW291184, AW298288, AW452501, AI224978, AI301454, AA913182, and AI378100.
HDPRH59	1838	739077	1 - 604	15 - 618	AA213441, and AF017714.
HDPR139	1839	773790	1 - 392	15 - 406	R45733.
HDPR158	1840	724652	1 - 370	15 - 384	AC005803.
HDPRN15	1841	577985	1 - 439	15 - 453	
HDPRP29	1842	690399	1 - 606	15 - 620	AI174237, and AA019204.
HDPRP83	1843	773394	1 - 452	15 - 466	AC006213.
HDPRS79	1844	774077	1 - 288	15 - 302	AW236973, and AI521731.
HDPRY05	1845	958822	1 - 455	15 - 469	
HDPRY33	1846	893790	1 - 555	15 - 569	AI984149, T83298, T90781, AI598260, R94426, T80416, and Z97352.
HDPRY70	1847	677782	1 - 330	15 - 344	AW027929, AI672172, AW027716, AI313156, AI831852, AI738441, AI816795, AI990910, AI824006, AI961202, AI566917, AI394023, AW241527, AI693976, AI985370, AI384116, AI333382, AI768254, AI366852, AI337214, AI264540, and AC004917.
HDPSC55	1848	731496	1 - 308	15 - 322	AI815715, and AB028996.
HDPSG10	1849	961323	1 - 443	15 - 457	AA310474, and AI831536.
HDPSI84	1850	782867	1 - 409	15 - 423	R16664, T82134, and AL031133.
HDPSM07	1851	620372	1 - 587	15 - 601	N59251, AA504245, AI679277, AI922887, AI161077, AI767882, AW337496, AW138439, and AI679851.
HDPSO36	1852	959141	1 - 418	15 - 432	AI521731, and AW236973.
HDPS557	1853	734507	1 - 563	15 - 577	AW264023, AI193596, AI276007, AI828424, AI342582, AI291713, AI140006, AI858631, AI500563, AI914656, H81012, AA847341, AA828840, AW339694, AI570067, AA873661, AA593168, AW238423, AW085626, R79396, R91350, AW243516, AW059706, AA947352, AA364082, AW028376, AI281622, AA632355, H85358, AA640563, AI760575, AI446618, R00693, AA364147, AI904126, AA991640, AW022796, AA515727, AI282322, AA420531, AA657834, AI003620, AI572680, AA493814, AI268465, AI814863, AA359194, F34164, AA310753, AW166996, AI500315, H57802, AA419014, AA502862, AL031427, AC003029, AF111168, AC006079, AC006071, AC004996, AL021546, AC005520, AC004233, AL021937, AL050318, AC005914, AC007314, AL021331, AC008372, AI133245, AL121653, AC002351, U07000, AL079304, AP000503, AC002425, AC005581, AF134726, AC006160, AL031255, AL049872, Z97056, AC004081, AC005911, AL034420, AL034371, AL050338, AC004126, AL035422, AC002094, AF195658, AC006285, AC005585, AL121658, AL133448, AL022165, AC007066, AC004801, AC005800, AC004099, AL031121, AC004893, AD000864, AF038458,

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HDPSU54	1854	670838	1 - 347	15 - 361	AL043945, AF159295, and U64205.
HDPSV04	1855	614924	1 - 410	15 - 424	
HDPSV29	1856	690415	1 - 423	15 - 437	AA403069, AW410514, AL751649, AA486011, and AA099117.
HDPSY30	1857	691778	1 - 342	15 - 356	
HDPTC31	1858	878639	1 - 355	15 - 369	D86967.
HDPTJ25	1859	706448	1 - 365	15 - 379	AW084431, AA279385, R70884, AW272389, AA984920, R70883, F33820, AA158549, AA158550, AA092704, AA126271, H81732, T52745, AW071109, AL469468, AL627917, AL298079, AA229159, AL567391, AL041682, T98915, AA425924, AL047480, AA381775, AL564215, AA582746, F23268, AL279417, AL041681, AL078409, AA932787, AA948727, AA523695, W81372, AA808847, R99613, AL044489, AA197019, C75139, R09127, AL204309, AL047645, AL928890, AL921348, AW316599, AA015948, AW132065, AA558404, AA458534, AA977419, AA772704, AA515631, AL613465, AL242614, AW193523, AA572824, AA568307, AA746939, AA526413, F07564, AA070462, AA487300, R98409, AL933478, AA830615, AA744021, AL749306, AL345497, AA334091, AA837529, AW055286, AL630894, AA904211, F33126, AA743794, R87135, AA074252, AA811954, T08205, AA831638, N92697, AA371003, H62923, AA548221, R96427, R48980, AL859906, AW023515, H71659, AL289050, AA890060, AA303165, AL284092, AW151761, H73550, AL587349, AL565445, AL668566, AA504892, AA372293, AL800345, AA730488, R98835, AW265126, W23432, AA604515, AA720582, AA782322, AL037777, AW265688, AW118963, H48768, AL476460, AL249688, AA669747, AL275982, AL686563, AL954464, H73306, AL360504, AA230155, AL692245, AL18702, AL096714, AA077637, AA515160, AA973971, AL811319, AA572813, AW083706, W42587, AA831801, AL929298, R29092, AA652830, AA320105, AA309457, AL929825, AA506952, U46402, AL188049, T05276, AW151541, AW169390, N30650, AL733523, AA620498, AL459733,

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HDPT179	1860	669209	1 - 1017	15 - 1031	AA255804, AW274671, AW450051, AA256697, AA810976, AA731140, AA831863, AA737424, and AA761219.

HDPT071	1861	760142	1 - 662	15 - 676	AW131249, AL048534, AI783898, AA504896, AA668340, FI17149, AI700109, AW277171, AA468022, AI309643, AI110595, AC008122, AB023048, AC002350, AC005837, AB001523, AF053356, AC005874, AF134471, AF111168, AL035450, AC007227, AC006077, AC005242, AC005197, AC002369, AL034423, AC005529, AC000353, Z82206, U66059, AP000356, AC005363, AC004643, AC004149, AC002558, Z81314, AL049748, AC005409, AC002312, AC007382, AC007955, AC020663, U91327, AL096791, AP000689, AI250235, Z98257, AC004447, AC006011, AP000557, AC005747, Z84476, AC007934, AF031078, Z93928, AC006285, AC004598, AF030876, AC007787, AP000141, AC005952, AC006039, AL133448, AL109627, Z93017, AC006966, AP000088, U73479, AC005695, AL096710, AP000036, AC006480, AC005411, AC006029, AL049832, AC005399, AC007536, D87675, AP000688, AC005570, L78833, AL031255, AL031286, AC009516, AC000025, U73636, AC000081, AL080243, AC005696, AC005257, AC007387, AC002378, AC006544, AL049776, AL049845, AC005512, AC005913, AC007226, AC005081, AP000692, AC006512, AC007022, AL096775, AL031662, AF064861, AC007919, AC003982, AC007845, AP000355, X69907, AC005015, AL008712, AC002059, AC006137, AC007051, AC006071, AL022163, AC004634, AC007040, and Z98752.
HDPT07	1862	741632	1 - 355	15 - 369	AL079725.
HDPTS95	1863	906940	1 - 489	15 - 503	AW298312, AW298314, and AB033097.
HDPTT20	1864	669029	1 - 316	15 - 330	Z84488.
HDPTU30	1865	691181	1 - 343	15 - 357	AL049795.
HDPTU66	1866	697690	1 - 374	15 - 388	
HDPTU95	1867	876582	1 - 312	15 - 326	
HDPTW90	1868	722699	1 - 565	15 - 579	
HDPUF28	1869	852687	1 - 252	15 - 266	AI417133.
HDPUF77	1870	769852	1 - 246	15 - 260	
HDPUF94	1871	861520	1 - 438	15 - 452	H82937, AA418494, AA418396, AI064869, AW051301, T84203, F18098, AA846353, AA767276, T11545, H58588, T82034, AI609370, AA594971, U80017, AC002527, AC002302, AC004799, AC003010, AC004821, AC005011, AC005225, AL023755, AP000962, AC005071, Z80902, AP000502, AC002326, AF134726, AC005329, AC005031, AL133355, AC004922, AC004491, AC004839, AC004143, AC004976, AC004125, AC005564, AC002132, AC007151, AC002549, AL034419, AL009031, AC005763, AF024533, AC008015, AC005899, AL035685, AB026906, AC005162, AC006014, AC007546, AC006251, AC002301, AC002112, AC005015, AC007225, AL023807, AC003048, AC004878, Z97200, AC005488, and AC005764.
HDPUG06	1872	968313	1 - 459	15 - 473	AC002091, and AC003695.
HDPUQ02	1873	973235	1 - 683	15 - 697	AC006238.
HDPU62	1874	604483	1 - 365	15 - 379	AI500481, F06397, AW148768, AI681168, N36045, AI133235, AA491120, R18846, T90676,

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HDPVD09	1875	774165	1 - 723	15 - 737	
HDPVE36	1876	706712	1 - 546	15 - 560	AA256770.
HDPVG11	1877	966556	1 - 910	15 - 924	AW068637, AI003761, AI039369, AI380538, and AL137555.
HDPVH13	1878	656711	1 - 581	15 - 595	W26587.
HDPVL94	1879	927023	1 - 463	15 - 477	Z81450, and AC004652.
HDPVQ96	1880	796133	1 - 389	15 - 403	AA777374.
HDPVR71	1881	740340	1 - 850	15 - 864	AA082562, and AC007899.
HDPVU35	1882	852616	1 - 623	15 - 637	
HDPVV46	1883	718160	1 - 399	15 - 413	AB002344.
HDPVV95	1884	582503	1 - 351	15 - 365	
HDPVW13	1885	656715	1 - 585	15 - 599	AC006207.
HDPVY53	1886	727593	1 - 317	15 - 331	AA948370, AC005390, and AB023180.
HDPVY58	1887	710458	1 - 365	15 - 379	AL038081.
HDPWA55	1888	965474	1 - 408	15 - 422	AC006966.
HDPWD25	1889	677764	1 - 500	15 - 514	
HDPWE80	1890	909916	1 - 932	15 - 946	AA172104, AA232124, AI986306, R58806, AA081848, and AA232093.
HDPWE88	1891	857980	1 - 427	15 - 441	R18560, R13864, Z41866, AA333327, AA016124, AF107834, AF119386, AF097723, AF009513, and AF107835.
					AI758788.
HDPWH10	1892	967692	1 - 472	15 - 486	
HDPWN34	1893	703814	1 - 451	15 - 465	AA714632, D45305, AA307780, and AI923248.
HDPWY46	1894	915964	1 - 462	15 - 476	AL120101, AW246324, AF034175, AI460387, AW401572, AA338094, AA348155, AA316673, AA337791, R59433, U46268/AW402296, AA955027, AA393071, AF061738, AC006160, and

HDPXE68	1895	852626	1 - 635	15 - 649	S65367, AF004231.
HDPXF52	1896	726450	1 - 440	15 - 454	AI697586.
HDPXL59	1897	615543	1 - 568	15 - 582	AA115345, N51515, AW297689, AA115304, N51527, AI925591, and AL080209.
HDPXL68	1898	707532	1 - 830	15 - 844	AA789296, and AI420081.
HDPXP04	1899	614895	1 - 745	15 - 759	T62674.
HDPXU29	1900	852638	1 - 519	15 - 533	H72530, AI207465, W52505, AI311647, AA174017, N72717, AA007673, N68472, AA773302, AA174016, AA223762, AI371165, N71291, AI457389, AL121782, AL008718, AC005833, AC004531, AC002369, AC005759, AL049757, AP000533, X77737, Y12851, X77738, L35930, AL031672, AC009336, AF109907, AP000553, AC007022, AF157814, AC004813, AC010205, AC005066, AL034552, AF001552, AC002395, AC005291, AC005789, AC000159, Z98941, L78833, AC003102, AL031591, AC000067, AC000093, AC007243, AF053356, Z49258, AC002375, AC006121, AC004828, AC006236, AC006388, AC005305, AC001231, AC006001, AC002086, AL008712, AC005695, AL050321, AL049544, AL035420, AC000105, AC006543, AC005664, AL022336, AC005911, AF111168, AC004805, AC006547, AC007533, AB014084, AC004659, AC006544, Z95118, AC004032, AL132992, AC004752, U07000, AL117258, AL031680, Z98742, AC004966, AF006487, AP000501, and AC003983.
HDPXW75	1901	951320	1 - 771	15 - 785	N46466, AI373736, W86648, AA522544, AI279721, AI341807, AI651516, AI245138, AI262580, and W86523.
HDPXX01	1902	915914	1 - 392	15 - 406	
HDPXZ92	1903	743429	1 - 673	15 - 687	
HDPYC51	1904	919000	1 - 333	15 - 347	AA831180, AA593812, AI608672, AA877902, AA845911, AW136605, AA831016, AW139428, AI920936, AI421209, AL138419, AL138420, W70159, AA034272, AI143351, W96568, AI870975, AI129781, AI749544, AA029334, W96468, AI801387, AI424505, W87792, AI342176, AI363136, AI310128, AI343371, AA029335, AI138774, AI217508, AI337280, AI832175, AI018551, AW195185, AW080907, AW009317, AA033560, AA339417, AW245250, AA523730, AI658874, AW138805, W70198, AW340796, AA781337, T89101, AA032082, AA746107, AI659538, AI989852, W87672, AI699899, R46554, R46555, AA340560, AI499481, AI890907, AI623302, AI431307, AI561147, AI866786, AI431316, AI431238, AL043278, AI815239, AI500659, AL134524, AW193598, AI866465, AI815232, AI801325, AI866691, AI500523, AI804505, AI538850, AI887775, AI582932, AI434223, AI872423, AI590043, AI284517, AI923989, AI500706, AI491776, AI445237, AI289791, AI926593, AW151138, R50170, AI521560, AI889189, AI500662, AW151974, AI285417, AW172723, AI284509, AI539800, AI582912, AI889168, AI538885, AI440263, AI927233, AW058275, AI866573, AI633493, AI434256, AI866469, AI805769, AI434242, AI888661, AI500714, AI284513, AI888118, AI285439, AI890472, AI436429, AI859991, AI623736, AI355779, AI889147, AI581033, AI371228, AI491710, AI440252, AI440238, AI924051, AI567971, AI610557, AI866003,

					AI242736, AI539260, AI828574, AI887499, AI539781, AI539707, AI702065, AI885949, AI285419, AI559957, AW089557, AI521571, AI469775, AI866581, AW074057, AI567953, AI815150, AI446495, AL040491, AI889191, AI867068, AI952433, AL039390, AI225248, AI358271, AI798359, AI872315, AI932620, AI698352, AI282249, AI371229, AW151107, AL042551, AI371237, AI249936, AW194509, AI432644, AI355008, AL045166, AW151979, AL046681, AL039287, AI963852, AI494201, AI866458, AL046137, AI537677, AI371251, AI440260, AI866510, AI784016, AI499535, AI866461, AI923046, AI865995, AI521228, AI672187, AI955221, AI682915, AI500518, AW151132, AI432666, AI539771, AI689247, AI289386, AW151136, AI924024, AW132015, AI561170, AI690946, AI469764, AL047611, AI648567, AI433157, AI432650, AL048403, AI362391, AI521596, AI433978, AI828584, AW151970, AI801286, AI866484, AI687588, AI432653, AI474699, AL042787, AI431323, AL042655, AI431321, AI371243, AI431315, AI469754, AI499543, AL042533, AW081103, AL042853, AI345471, AL043166, AI432656, AI440236, AI289747, AL008718, AB023147, AL133076, U85195, AE000658, AL133053, AL122101, AL133049, AF126531, Z69719, AF045555, AL049538, AL133655, U30290, AL133074, E13998, AC005826, AC007358, AL023280, AL031282, AC005345, AR059958, AL133020, AL121603, AL031407, AC004544, AL049776, AC005993, AL031390, AL022324, AP000299, AP000113, AP000045, AL049795, AC005482, AC005483, U89387, AC006002, AC004656, AC005520, AR015970, AC004900, Z94162, AC005074, AC002078, AC004027, AC002430, AL009029, AC007384, AL121915, AF002985, AR055519, and AR034821.
HDYPD58	1905	726288	1 - 323	15 - 337	AW179153, AW179151, AW179152, AW179089, AW179088, and AL122043.
HDYPD92	1906	791222	1 - 207	15 - 221	
HDPYE96	1907	717598	1 - 485	15 - 499	AB011158, and Z61808.
HDPYF79	1908	774272	1 - 498	15 - 512	
HDPYH79	1909	886845	1 - 168	15 - 182	T87457, T99432, W88845, R06479, and AA226858.
HDQDU40	1910	791340	1 - 621	15 - 635	
HDQEA94	1911	793378	1 - 633	15 - 647	
HDQEC77	1912	771351	1 - 669	15 - 683	AW021230, T97381, D87685, and AF091622.
HDQEC82	1913	779149	1 - 481	15 - 495	AL119443, AW392670, AL119363, AW372827, AL119319, U46346, AW363220, AW384394, U46351, AL119497, U46349, AL119496, AL119457, AL119335, U46350, AL119484, AL119391, AL119444, U46347, AL134528, AL119324, U46341, Z99396, AL134518, AL042970, AL119355, AL119483, AL119341, AL119439, U46345, AL134524, AL042965, AL119522, AL042614, AL042995, AL119399, AL037205, AL119396, AL134538, AL119418, AL119304, AL043029, AL042450, AL042975, AL042850, AL119320, AL042544, AL042542, AL043019, AL042984, AL119464, AL042551, AL043003, AB026436, A81671, AR054110, AR060234, AR066494, and AR069079.
HDQEF04	1914	927024	1 - 553	15 - 567	N75118, AL022157, and Z82211.

HDQEF89	1915	786393	1 - 531	15 - 545		AW269444, AA669114, AW082136, AI914499, and AC000398.
HDQEI75	1916	766698	1 - 392	15 - 406		
HDQEN22	1917	931041	1 - 508	15 - 522		
HDQES62	1918	792766	1 - 661	15 - 675		
HDQET03	1919	923015	1 - 478	15 - 492		AL119391, AA833896, AA833875, AA457070, AI640411, AA721645, AA828739, AA829154, AI017251, AI811653, AA655005, AA834885, AI887716, AW089898, R08918, AA584125, AC004066, AC005209, AC006960, AC004707, AC007664, AC007327, AC007225, AC005828, Z85986, AP000503, AC005375, AF134726, AC008018, AC005944, AC003991, Z95115, AL033527, AL133163, AC006958, AC004993, Z82178, AL035405, AC005011, AC004106, D28126, Z49155, U07561, AC005954, AF002997, U95739, Z81364, Z85987, AL031282, AL008721, AL031673, AC004590, AC006316, AC007388, AC004832, AC007876, AC005516, AC000111, AD000813, AC005763, AC002316, AL023799, AL02312, AL049795, AL034549, AL022165, AC005688, AC006430, AL031643, AC006128, AC004542, AC004552, AL136297, AC005562, AC005783, AL009183, AP000252, AP000030, AP000212, AP000134, AC005996, Z82205, AC007283, AL031281, AC005484, AC006011, AC006328, AC005037, L78833, AC007533, AC006050, U62293, AL050307, AC007540, AC006312, AC007114, and AP000690.
HDQET24	1920	805486	1 - 642	15 - 656		AW450053, F11194, and U91321.
HDQEU26	1921	959940	1 - 503	15 - 517		
HDQEU63	1922	852614	1 - 524	15 - 538		D25538, and Z49806.
HDQEU92	1923	973212	1 - 743	15 - 757		AI142131.
HDQFA01	1924	924539	1 - 1363	15 - 1377		AW297731, AI885498, AA809854, AI831297, AA687107, AA809960, and AI523034.
HDQFC85	1925	783797	1 - 1331	15 - 1345		
HDQFK04	1926	926758	1 - 673	15 - 687		
HDQFU11	1927	966106	1 - 319	15 - 333		
HDQFW03	1928	915968	1 - 542	15 - 556		AA476647, U25898, and AC005182.
HDQGB04	1929	852577	1 - 500	15 - 514		D79099.
HDQGC76	1930	950734	1 - 486	15 - 500		AL119319, AL042551, AW392670, AL119457, U46346, Z99396, AL119363, AL119341, AL119497, AW372827, AL119443, AW363220, AW384394, AL119484, AL119391, U46351, AL119324, U46350, U46347, U46349, AL119355, AL119496, AL119444, AL119483, AL134518, U46341, AL119335, AL134538, AL042965, AL134902, AI142132, AL119439, AL119418, AL119399, AL037205, AL119401, AL119522, U46345, AL119396, AL042450, AL042614, AL134525, AL134536, AL042970, AL119320, AL134532, AL042975, AL042544, AL043029, AL043019, AL042984, AL042542, AL119464, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079.
HDQGG01	1931	974439	1 - 201	15 - 215		
HDQGG63	1932	875920	1 - 633	15 - 647		AC007395.

HDQKG93	1933	791744	1 - 429	15 - 443	R64617, H86221, AA541532, AA630122, AA312303, AA659360, T47389, AA070927, AL037777, AW188742, AA601237, H84412, A1873759, AA302661, AA019003, AA669711, F35097, AA654874, T71936, A1160786, R72363, AL139054, AC002312, AC005231, AC000379, Z83844, AL031666, AC009509, AC004103, AL022323, AB003151, AC005695, AL022326, AL021977, AC007199, AL109657, AC005071, AC000353, AC005519, AC006241, AC006449, AC004878, AP000500, AC004134, AC004922, AC004821, AF042089, AC006023, U91321, AC004081, AL034417, AP000688, AF205588, Z93023, AL109952, AL035420, AL117337, AL035400, AP000509, AC006251, AL133163, AL024498, AL034549, AC004814, AC005815, AC004386, AC004491, AC002039, AL008718, AC007551, AL022165, AC005763, AL049780, AC004955, AC002128, AL078581, AF001549, AC004257, AC005081, AC005207, AL022316, AP000210, AP000132, AC004659, AC002418, AC006538, AC005620, AL135744, AL122023, I34294, AC007011, AL050317, AC005058, U85195, AC004910, AC005046, AC004851, AC005089, AL049576, AP000248, AC006006, AC004217, AC004139, AC002395, AC006014, AC005088, AL022327, AL033527, U07000, AE000658, AF196969, Z85987, AC005531, AC003043, AC005225, AL096701, AB015355, Z97054, AL031311, AF111168, AL109628, AC009501, AF001550, AC002126, AC007919, AC005944, AC002369, AC003029, AC002115, Z95116, AL079340, AC004865, AC006047, AC005015, AC005932, AF111169, AC005488, AC003966, Z98051, AC004067, AC005399, AL049694, AL031662, AC005332, AL109865, AC000075, AL109758, Z95114, AC007381, AC007899, AL035684, AL035072, AC006547, AL096791, AD001527, AC004770, AC002073, AC006312, AC004583, AC004996, Z86090, AL031595, AL080243, AC004099, AC003080, AL049776, AC006211, AL049795, AL133246, AC002375, AC007151, AB023049, AC006468, AL050318, AC004815, AC002310, AC002425, AP000345, Z68872, AL022318, AC005049, AC006011, AL035455, AC003042, AC010077, AC004805, AC007308, AL021528, AC007421, AC012039, AC005383, AP000512, AL022336, AC005484, AC006450, AL078593, AC002476, AL022337, AL031291, AC006048, AL109827, AL031432, AL034429, AJ003147, AJ251973, U91326, AL020995, AC004560, AL121655, AC000120, AC005800, AC005387, AL022337, AC010206, D84394, AC005295, AC005913, AC005632, AC006536, AP000555, AC002072, AC005856, AC002301, AC006948, AL133245, AC009247, AC005261, AL031281, AC002036, AC006077, AC006254, AC007993, AC004694, AF030453, AC004884, and AP000689.
HDQGGQ11	1934	966100	1 - 624	15 - 638	
HDQGR80	1935	880654	1 - 509	15 - 523	
HDQGT70	1936	909848	1 - 436	15 - 450	
HDQHF10	1937	963485	1 - 395	15 - 409	AA809589, and AA532423.
HDQHK04	1938	926988	1 - 949	15 - 963	AA847392, H45758, AA021644, and AA010967.
HDQHM43	1939	852556	1 - 559	15 - 573	
HDQHO04	1940	926976	1 - 212	15 - 226	

HDQHO07	1941	852555	1 - 421	15 - 435	AC005390.
HDQHP44	1942	811790	1 - 502	15 - 516	AA428432, AF033033, AC008372, and Z81364.
HDQHQ83	1943	973129	1 - 493	15 - 507	AL044340, AA577824, AW022897, AA601125, W23726, AA161492, AI250561, AW166697, AI345007, AI345797, AA593465, AA226084, W023662, AA577906, AA484749, AI133448, U47924, AC006965, AL117352, AL024507, AC005527, AC004584, AC004491, AL109627, AC005049, AC005529, AC006211, AP000356, AC004167, Z85986, AC007242, AI246003, AC004895, AC005952, AC002565, AC005089, AC006536, AC004656, AC005335, AC006251, AP001054, AL121658, AP000557, AC006538, AL049776, Y18000, AL022237, AC007055, AF030453, AP000556, AP000354, AC002369, AC005495, AF053356, AC004097, AC003109, AL133163, AC005220, AC005747, AC006312, AC007308, AC006012, AF001552, AC004000, AC005391, AC003664, AC002301, AC005015, AC004841, AC007226, AC003983, AL031311, AC002430, AR036572, U91328, AL031291, L44140, AP000008, AP000511, AC004963, AL035420, AC007384, Z93023, AP000704, AC004079, AC006449, AC006238, AC002551, AF111169, AC004149, AC004408, AL021154, AL020997, AC006509, AC009542, AL049709, AC006088, AL035460, AC005500, AC005940, AC005332, AC004967, AC004217, Z98304, AC003098, AC007201, AC005088, AC004522, AC006050, AB017602, AC004671, AC004882, AC006270, U91326, AP000114, AC005726, AC002464, AC006946, AL031276, AL079303, AC005548, AL049636, AC002544, AC005225, AC002094, AC005180, AL008718, AC006130, AP000269, AC005920, AC005102, AC007324, AL109984, AC006241, AC005067, Z95114, AP001052, AC005277, AC003665, AL133485, Z84487, AL031432, AC005841, AF217403, AC004084, AC006057, AL035072, AC006480, AC005081, U80017, AC002472, AC002425, AP000103, AC004520, AC005581, AC007225, Z97055, AC007686, AC007664, AP000032, AC003071, AC007878, AC004983, AC005822, AC000353, AC004834, AC010205, AL050325, AC004020, Z84466, AC004143, AC005409, and AL031281.
HDQHT10	1944	963481	1 - 481	15 - 495	W31096, and AC005783.
HDQHZ10	1945	961336	1 - 474	15 - 488	AA179094.
HDQHZ22	1946	879416	1 - 396	15 - 410	
HDQIH19	1947	974391	1 - 504	15 - 518	AA557945, F16848, AA984829, H68343, AA507623, AA659832, AA368329, H15241, AA434078, AA569206, AA558404, T47138, F34151, H54252, H53284, AI249519, AA664963, AA610255, AA557790, AA778580, AI732911, W45215, AW265279, F34157, AA470490, AI567391, AA662614, AA368012, AL134332, F31867, AA845333, AA776225, AI671077, AA831919, AA371410, AL045423, T03928, N23504, AI345497, AI049630, AW237905, F24745, H86399, AI114494, AI860423, H43183, AI198718, AI190648, AA078483, D51877, AA846923, AW381821, H52397, H85808, AA846482, AW236277, AI619933, AI828721, AA778962, AA102737, AI800343, AI859744, AA911515, AI065031, AI337612, AA366601, AA225627, AW419389, AW265614, AA610433, AW265276, H58393, AW381823, AI284543, AI054090, AL079734, AA468458, AI929298, AI358928, AA568314, AI929825, AA706202, AA084032,

					AA715075, AA584810, AA633875, AW238321, AA644090, AL117258, AL049697, AC002312, AL031133, AC012085, AC007030, AC005914, AC002476, AC005081, AC005015, AF107885, AC003973, AC008372, AC005519, AC004079, AC002492, AL031123, AC006360, Z85996, AP000140, Z68276, AC004841, AL049776, AP000350, AC004383, U95739, AC005697, AC005412, AL121652, AC005736, AC006511, AP000088, AC004882, AC005323, AL109628, AL049844, AP000270, AB007869, Z99716, AC005086, AF064019, AP000563, AL008712, AF053356, AL033525, AF196779, AC007450, Z82206, AC004702, U95743, AL031311, AP000133, AP000211, AC006071, AC005082, AL050348, AL009181, Z86090, AC005539, AL133500, AC007216, AC006959, AC004020, AL031295, Z98044, AC005332, AC002107, AP000089, AP000141, AC004132, U47924, AL021546, AC004007, AC004953, AC005193, AC006011, AC005520, AC006509, AC004967, AL021391, AC005243, AL031666, AL049778, AC002483, AC006571, AP000032, AC002477, AC009399, AC006449, AF196969, AC006130, AC004253, AC006115, AC005544, Z80232, AC005529, AC004890, AC005566, AC004655, AC004686, AC005157, AC009516, AL121655, AC006064, AC004834, AL133448, Z84467, AL022476, Z98885, AC007637, AL049829, AL034555, AC005531, AP000303, AC000159, AC007151, AL031282, AC007993, AL035410, AC005189, AB022785, AC004938, AP000036, AP000514, AL031291, Z98036, AC005971, AL135744, AL021154, AC004883, AC005913, AL133246, AC002310, AC007199, AL035420, AC005207, AP001052, Z98742, AC005363, AC004985, AC006238, AC002400, AL031432, AL008629, AC006960, AL021977, AC005803, Z82182, AC005067, AP000547, AL109952, AC005682, AL049780, AC007298, AC005696, AC009542, AC002546, AC004033, D87675, AP000553, AL132992, AC005527, AF045555, AC005479, AC010170, Z75407, AL031284, AL031846, AC005952, AL031186, AF043945, AC004142, AP000509, AC004765, AL031728, AC004104, AC002398, AL008635, AP000047, AC002073, AF109907, AL022336, U95741, AC005562, AL049779, AL133371, AC004966, AC005274, AC002094, AL008630, AL031447, AC004185, AL109758, AC004531, AC006121, AC007182, AC005785, AC005753, AL049869, Z99128, AC007056, AC003688, Z83823, L78810, AP000046, AP000114, AC002563, AL008731, AL121825, AC006057, AL109963, AC004554, AC000025, AC005318, AC005878, AL050307, AC006222, AL024509, U91321, AC005480, AL010770, Z97056, Z98752, AL049757, AC004491, AL023553, AC004851, U50871, AL246003, Z97183, AP000704, AP000130, AP000208, AP000503, AL121748, AC008044, AC002195, S42653, I34294, AC006044, AC005551, AC006088, AP000115, AC007371, AL035458, AC005829, AL109798, and AP000247.
HDQJ11	1948	966021	1 - 522	15 - 536	AI569060.
HDQMA71	1949	926528	1 - 578	15 - 592	AA250925, AI610805, AW022188, AI276031, AW204488, AA978318, AA769333, AW340955, AI683013, AI135812, AA767902, H88636, AI273005, AA358212, AA405245, AA242773, AW078958, AI273047, AA493696, AI250660, AW026945, and AL134115.
HDQMD13	1950	924108	1 - 260	15 - 274	

HDQMD14	1951	783547	1 - 328	15 - 342	
HDQPI83	1952	780731	1 - 687	15 - 701	
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HDRAB68	1953	752316	1 - 196	15 - 210	
HDTAG28	1954	765834	1 - 159	15 - 173	
HDTAQ55	1955	728772	1 - 353	15 - 367	AA 380977.
HDTAY23	1956	973925	1 - 352	15 - 366	AA 504311, W45240, AA431996, F13467, F13502, and H10924.
HDTBF27	1957	683389	1 - 759	15 - 773	AA 234529, AI565424, AI624101, AI694224, and AC005021.
HDTBL45	1958	785534	1 - 431	15 - 445	
HDTBO48	1959	945083	1 - 505	15 - 519	
HDTBO74	1960	765555	1 - 453	15 - 467	AA480145, AA837058, AA663306, F19258, AA713815, AA491814, AA365347, AA551509, AI205126, AA228329, AA826032, AI003172, F26719, AI886176, AI921188, AA515435, AI003743, T16592, AA095511, AI054246, AW088058, AI820743, AI565245, AW088202, AI282907, W60516, AW080134, AW406447, AI281903, AA340003, AA652764, AI053816, AI904894, AI567674, F29989, AA482711, AW301818, AA361344, AI282832, AA593060, AL041368, AI358229, AA318652, AI307426, AA077935, AW406755, AW104748, AI365988, AI474713, AW339687, AF177861, AA365144, AL138265, AW361583, AI635272, AA856981, N43757, AI963095, AI791503, AI732546, AA077817, AW071063, AI214510, AI802526, AA450199, F31204, AW074398, AI791290, AW022046, AI921649, H64777, AI679782, F35659, AI989742, AI376100, AI561335, AA292574, AA557325, AA501722, AW074059, AA252763, AI356904, AI922654, T12272, AA515128, AI564284, R72392, AA428414, AA743956, AI570138, AI536555, AI929531, AA077776, AA434484, AI284640, AI537955, AI446601, AW162049, AI251002, AA729264, AI962050, AA228420, AA515051, AA581342, AI890923, AA229785, AA658235, AW029038, AA932099, AI610159, F36273, N25303, AI917271, AA584749, AA653057, AI471481, AW166815, AA745410, AA919037, AA243452, AA218645, AW074207, AI610920, AI499134, AA580662, AL138455, AI139968, AI051551, AI286356, AI188469, AI110770, F37286, AA826004, AI053672, AI345675, AI339850, AI345681, AI357551, R41717, T06556, AI334443, AI865364, AW008317, AA342958, AI471729, AL048925, AL120674, AI049634, AW193265, AI816537, AI003611, W25284, AA654627, AI951863, AA364567, AA843450, AW401783, AA501784, AI079667, AW302101, AA077952, AA829106, AI248679, F32395, AL119391, AI742771, AW276435, AI547286, AA443065, N71724, AI285615, AA652057, AA441788, AA649642, AI149915, AA501344, AI286264, F25203, AW438916, AW340844, AI469172, AA650244, AI493615, AW419262, AL048616, AI312149, AW440836, AW105538, AA634855, AA774923, AI049722, AA602069, AL046898, N71596, AI912322, AI299050, AL079804, AA558227, AA886584, AW302309, AW276827, AI807372, T71998, AI268812, AI133636, AW265294, AI926124, AA904218, AW339568, AI431966, AA559290, AI433187, N27353, AA125788, AI469878, AL040913, AI803348, T40338, AW274101, AI421213, AA648110, AA366035, AI951889, AI951928, AA757474, AA192740, C06327, AI368745, AA178953, AL043756, AA503258, AI368256, AA320977, AL038785, F18974, AI133164, AC002426, AL034548, AL109756, AL021578, AC004903, AL009181, AC005089, AC006312,

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HDTBO94	1961	869818	1 - 562	15 - 576	N69991, W47065, AW368643, AW340968, W00799, W04207, AI420674, AW027417, AA779727, AA736509, AW263261, AI090172, AA814921, AI924139, AA375842, AA375767, AA494558, AI422731, W46965, AA969233, AI142954, AI161089, AI167233, AA737756, AI681576, AA449149, AL049415, A61271, and A61272.
HDTBQ20	1962	886757	1 - 458	15 - 472	AA625147, AL044429, N95514, AI521188, M78692, AA083339, AA625350, AA916868, R46588, and AA935301.
HDTBQ34	1963	703446	1 - 453	15 - 467	

HDTBQ47	1964	720298	1 - 369	15 - 383	AI933595.
HDTBQ56	1965	799840	1 - 1310	15 - 1324	AI384076, N21097, AI167276, AI275519, AA495978, AW103498, AA235681, AI224882, AI565119, N31109, AI797229, AW130630, AA425033, AA490486, AI635704, AA463747, AA766927, AA631521, AA829333, AA490708, AW188888, H11440, AI873833, and AA236876.
HDTBQ80	1966	775420	1 - 356	15 - 370	AA860394, AI659377, AI440260, AI479292, AA514684, AI499986, AI500523, AI539800, AI340519, AW082532, AL047344, AA641818, AI648699, AI915295, AI345415, AW148536, AL040011, AI625926, AI446511, AI287233, AI445256, AI952493, AL042515, AW198133, AI500061, AW151652, AI571442, AI470717, AI611738, AW055252, AI890907, AI686690, AW023871, AI453248, AI860027, AI872423, AI378123, AI678446, AI2888305, AI571699, AW130930, R81679, AI500714, AI128239, AI874261, AW089844, AL038715, AI696603, AI095003, AA765198, AI559619, AI683395, AI824361, AW081866, AI630928, AI540354, AI624938, AI309306, AI633125, AI434969, AI783785, AI271796, AI417790, AI859991, AI799313, AI686565, AI620864, AI538885, AW129264, AA604875, AI568293, AI433994, AI539723, AI638644, AW020381, AA503384, AI572096, AI539690, AI061405, AI345688, AI635634, F35031, AL041150, AI863382, AI923989, AI690813, AI524179, AI554301, AI917428, AI623736, AI432040, AI699020, AI440238, AW151136, AW022636, AI866465, AI570861, AI589428, AW021189, AA575922, AI620056, AW163554, AI680221, N22276, AI565172, AI862043, AI950729, AI631216, AI174799, AA731184, AW075382, AI658566, AI348854, AI499335, AI623396, AI683173, AI866458, AI241741, AI648454, AW166937, AI590043, F34241, AI554283, AW083750, AW105613, AW193620, AW262491, AI439452, AI613314, AI499104, AI702019, AI537273, AI801325, AI873644, AW058341, AW151831, AI744243, AI340559, AI818562, AI312963, AI361701, AI865906, AW104641, AW088145, AI291214, AI539080, AI917331, AI582871, AI436458, AI499581, AI274655, AL036548, AW167146, AI648494, AI621341, AI524654, AA808175, AI656270, AI679550, AI671429, AI698391, AI538564, AI818240, AL121564, AI915291, AW152182, AI538575, AI801064, AI582932, AI560545, AI619820, AI735654, AW021662, AW195253, AI434731, AI827058, AL120987, AI348901, AI539667, AI889189, AI811192, AI521560, AI521005, AI872545, AI479577, AI079226, AI538764, AI473536, AI927233, AI539260, AI095192, AW151893, AA693444, AW196720, AI866469, AW161156, AI422855, AA502794, AI559752, AI884318, AI355779, AW238688, AI114703, AI370623, AI570056, AI815233, AI632036, AI537408, AW021717, AI566399, AI917252, W74529, AI918809, AI336586, AW080700, AI583484, AI797578, AW268306, AA579618, AW051453, AI701097, AI636507, AW090001, AI345612, AL043326, AI263331, AI472487, AF076464, AF139986, AL117575, AL117416, AL133665, I48978, I08319, AL137530, U62966, AF013214, AF162782, Z37987, AC007043, AL050024, S68736, AL032822, L31396, L31397, AL109672, A08916, Y13350, AL133075, X66366, X00474, S61953, L04849, AL080110, AF176651, E01614, E13364, A08910, AR050959, A08909, AF106862, AR038854, Y10655, D44497, AL049382, AF111851, AF118092, AF185614, AF182215, I89947, AF113694, AL117429,

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HDTBR15	1967	660236	1 - 449	15 - 463	AI753313, AF004877, and AC002528.
HDTBR50	1968	846630	1 - 453	15 - 467	
HDTBV02	1969	920008	1 - 461	15 - 475	
HDTBV18	1970	893761	1 - 367	15 - 381	D25267, AA635901, AC005399, AC007227, AC004685, AL022316, AL080243, AC005324, AF064858, AC005305, AL021937, AF003626, AL049694, AC005330, U80017, AC005031, AC005874, AF134471, AC005920, AC004883, U07563, AC004938, Z98946, AL033527, AC007052, AL049631, AL022345, AC007263, AC004491, AC005571, AC005756, AC005726, AC006013, AL031597, AL033517, AC005409, AC003663, AC004253, AL049776, AC006014, AP000466, and AL049871.
HDTBW52	1971	726060	1 - 507	15 - 521	
HDTBX47	1972	719530	1 - 424	15 - 438	AC004056.
HDTBY88	1973	934472	1 - 495	15 - 509	AA868305, A1700890, AA789239, AI803004, AI694352, AA043382, F08474, R21498, AF112183, AF112184, and AC005354.
HDTCC60	1974	740350	1 - 390	15 - 404	AA864722, AA319763, AA248838, AA193325, AW367238, AI688661, AI921062, AW024122, and AW130404.

HDTDA45	1975	799875	1 - 697	15 - 711	T97833, T97457, and R09338.
HDTDC23	1976	675331	1 - 511	15 - 525	AI471572, AA502155, AA130647, AW402145, AA599063, AI192863, AL035587, AC005164, AC005562, AB003151, AL050332, Z83840, AC005261, AC004185, AP000509, D84394, AC002477, AC0007917, AF111163, AL035653, AC005089, AC005829, AC005529, AC000114, AC005512, AP000496, AC005399, AC006948, AC004076, AP000150, Z47046, AF031078, AF030876, AC004263, AP000009, Z98884, AC005498, Z98885, AF196970, AC006251, AC007228, AC005940, Z68162, AC004882, AL031650, AC004796, AL009181, AL049867, AC005520, AC0007630, AL022069, AL031000, AL121655, AL117258, AL049829, AL024498, AC006137, AC003690, AP000215, AC007308, AC002470, AC006539, AC006057, AF207550, AL034429, Z82198, AC005822, AC003035, AC006538, AL008582, AL022318, AL031595, and AC006241.
HDTDC53	1977	916348	1 - 220	15 - 234	AI205597, AI018716, AA952883, T66939, W86678, AA122311, AL208307, AA843726, AI090688, AW243845, AA618005, R15455, C00676, AI476338, AA371098, AL119399, AL042382, AL079794, AL043152, AL119511, AI288285, AL119457, AI621341, AL043168, AL042544, AL041150, AI540674, AW029401, AL037582, AW168485, AL037602, AI095003, AL038529, AL037454, AI698391, T95813, AW023846, AL036705, AI950664, AW083573, AI818358, AI638644, AL042191, AI963846, AA857847, AI679214, AA908294, AW264727, AI537677, AI538055, AW152182, AI915295, AI868740, AI589428, AW103628, AI866465, AI587000, AW051088, AI758512, AI564290, AI267162, AL079740, AI500061, AI434731, AW022636, N29277, AI553645, AI783792, AI590043, AW020397, AI571551, AI557238, AI678773, AI499570, AI872343, AL119324, AW162194, AL036249, AI802542, AI241901, AL119863, AW082088, AI147292, AW163834, AI683475, AI745329, AI609760, AI859991, AW021373, AI094749, AI345415, AI623941, AL046473, AI289791, AI567971, AI446704, AI280732, AI250627, AI610446, AI559752, AI312210, AA829061, AI249877, AL046595, AI472566, AI561356, AI612913, AL043355, AI538850, AL039086, AW023338, AA805434, AI620810, AW089275, AI813633, AI568114, AI539800, AI309306, AW059713, AI267185, AI475371, AI355779, AI582932, AI682798, AI860673, AI524179, AL041996, AI280607, AI679211, AW161156, AI673363, AW020419, AI929108, AI583032, AI345688, AL040449, AI634919, AL045266, AI680270, AI342023, AI590686, AI536685, AI783997, AI471429, AI866780, AI401697, AI801325, AL046466, AI884318, AI796743, AI433968, AW128841, AI860652, AW104683, AI589004, AI679506, AI699823, AW024374, AA975952, AI367680, AA503384, AI288050, AW105431, AI354998, AW129616, AW008226, AI573060, AI242248, AI565172, AI610293, AI655932, AI953767, AI567846, AL135065, AW128834, AW132071, AI524654, AA831948, AI683173, AW008166, AW024275, AI110603, AI589134, AA766104, AI624529, AW050578, AW088899, AI469505, AL118781, AI635492, AI890391, AI923989, AI284517, AI368579, AI678599, AI932458, AI274507, AA479803, AI811840, AI864102, AI917963, AI538764, AW193872, AI824576, AW163554, AI538637, AI625701, AI366922, AI627604,

				AI251221, AW403717, AI371251, AI270295, AI478902, AI432644, AA580663, AW148536, AI422688, AW088560, AI921092, AW151136, AL040011, AW008353, AI288305, AI676003, AA641818, AI540458, AI468872, AL048323, AA808175, AI567582, AW132001, AI446373, AL048340, AI648458, AI281757, AL047675, AL119791, AI252077, AI889189, AI932794, AW021717, N71180, AW029186, AW129264, AW073907, AI343091, AI633061, AA768046, AI335363, Y11587, U77594, U35846, AL137480, AF132676, AF061836, AF030513, I48978, AL049347, AF047716, AF026816, U67328, AL133075, AL133113, Z97214, I89947, AL133637, AF09796, AL122098, AF017152, AF146568, AR034821, A65341, AL133049, S83440, AR068753, AB016226, AL137271, AF118092, AL137554, A93350, A08910, A08909, A65340, A08913, AF102578, S61953, A08908, AR020905, AL133067, AL137557, A77033, A77035, I33392, U95114, A08912, U37359, I09499, AF177401, AR038854, AL133072, E02221, S77771, AL023657, AL137350, AF106862, A18777, E12747, X63162, S76508, AB029065, A21103, AF126247, AF067728, U49434, AF104032, A08916, AF113689, E05822, X98834, I79595, AF002985, I18355, AL117587, AL050172, AL110296, AL133557, X92070, A08911, I34392, AL110218, A08907, AL122110, AL117463, AL110197, M96857, Z37987, AL122100, AL137533, S53987, AL080148, AJ005690, AR053103, AL137523, I48979, AI238278, U87620, S69510, Y14314, Y07905, I89931, AL136884, AL080159, AF183393, AF111849, I89934, AL110225, AF061981, AF139986, X72889, I49625, AF106945, AF145233, AL049339, Y10823, AF087943, AL080140, I42402, Z82022, U55017, X67688, AB007812, M27260, AL137547, AJ010277, AL122093, AF008439, U49908, AL133560, I04504, E01314, AL137529, A45787, S68736, I32738, AF106657, M92439, AL133665, I04849, AL137526, AF113677, AJ000937, D89079, A76335, AR029490, AF195092, AF180525, AL137488, AL133112, AF182215, A23630, I00734, A15345, X98066, AF067790, AF031903, AL137286, Y11254, AL122104, AL137530, AL080154, I26207, AI242859, X84990, AL137574, E00617, E00717, E00778, AL137294, X72387, AL137521, AL122121, X83508, AC003032, U75932, AR013797, X82434, S36676, X79812, X87582, Y10936, AL049430, AL049460, AF107847, AL122106, AF017790, X55446, AL137711, AF185576, AL110224, D16301, X81464, AL117648, U54559, AL050277, Y13350, AF026124, AF205861, I03321, A18788, AC004227, Y10655, S75997, AF162270, X66862, AF215669, I33391, AL133640, AF111851, X52128, AL117460, I17544, AL137256, AL122118, AF090901, A03736, AL137292, I68732, AF113691, L13297, AF111112, D83989, AF113694, Y10080, AL110222, AF036941, AL137640, X83544, Z72491, AF210052, AL117583, AF031147, AL137459, X06146, E07108, AF090903, AL050116, AF058921, U00686, AF040751, AL110228, AB030279, AF057300, AJ012755, AF057299, AL137479, AC002467, AL050170, AL080124, and AF169154.
HDTDD49	1978	799872	1 - 448	15 - 462
HDTDG42	1979	713588	1 - 445	15 - 459

					AL049836, AC005585, AC008372, AF000201, AL049776, AC007225, AL031283, AF207550, AC005578, AP000097, AL080242, Z83844, AC004703, AF001550, AC005837, AL009181, AC005781, AP000043, AP000111, AC005089, AC007283, and AF050154.
HDTDG70	1980	587730	1 - 418	15 - 432	AL022396
HDTDL88	1981	868565	1 - 707	15 - 721	AI140351, AI859347, AA768342, AI864674, N80197, AA722381, AA130959, AI051671, AA043186, AA121548, AA987515, AA100477, AW193146, W04309, N21020, H94056, AI187288, AA844332, N21328, N47889, AI952434, AA975893, AA045598, H80956, AI354682, AA621534, AI859814, AW089493, AA530873, AW275917, AI025466, N92869, AA768339, AA417265, AI567303, AA828283, AI289086, AA729835, AI564973, AA580315, AI952495, AI149448, T40562, AI289415, AI039892, AI014387, AA917482, AW088039, AA587755, AW190165, AI371694, AI018462, AW377665, AI083853, AW103201, AA868207, H81296, AI920875, AI833059, AI288157, D12288, R63140, AI942324, AI873582, AI699667, AI091426, AA127712, AW406948, D12293, AA074395, AA342276, AI955989, T91580, AI350331, AA053266, AW138496, AA342277, AI832968, AW084334, T91268, AI816957, D12294, AW351513, R83013, AI868829, AI220723, AI202414, AI908913, AA353671, T98269, AI908912, AA193223, AI866230, AA807562, C75247, AI144388, AW377656, W22908, AW381854, AW381856, AI864799, AI802279, T91628, N74141, AI310801, AA788629, AI815642, AA370966, AA417302, AA894373, AA314322, AI122042, and AC007842.
HDTDP37	1982	571417	1 - 513	15 - 527	
HDTDT33	1983	587773	1 - 541	15 - 555	T12054, and T12053.
HDTET19	1984	912765	1 - 399	15 - 413	AI365424, AA761247, AI270301, AA903663, AA461365, AI124751, AI493506, AA946682, AI739428, AI990438, AI312115, AI927988, AI638765, AI830148, AI739606, AI561007, AI934691, AF165522, and X56389.
					AL035965, and AC006501.
HDTET130	1985	915445	1 - 475	15 - 489	
HDTEN69	1986	650840	1 - 618	15 - 632	
HDTES50	1987	964709	1 - 423	15 - 437	AW340512, AI807894, AW082409, AW054749, and R94399
HDTFC55	1988	731397	1 - 560	15 - 574	
HDTFD13	1989	835596	1 - 429	15 - 443	W92422, and AA013353.
HDTFE23	1990	675407	1 - 360	15 - 374	
HDTFI53	1991	738221	1 - 108	15 - 122	T86673, AW190189, and AI193121.
HDTFP51	1992	924898	1 - 491	15 - 505	
HDTFQ26	1993	681234	1 - 605	15 - 619	R80296, AW233653, AI949101, AA470449, AC002044, AC005234, X54171, AP000348, AC006230, AC007129, AC005274, and AC004230.
HDTGES9	1994	893721	1 - 213	15 - 227	
HDTGI15	1995	953336	1 - 641	15 - 655	AI765425.
HDTGI03	1996	923452	1 - 615	15 - 629	

HD TGJ64	1997	799860	1 - 133	15 - 147	
HD TGK27	1998	682689	1 - 416	15 - 430	AA489578.
HD TGP34	1999	855739	1 - 562	15 - 576	R69491.
HD TGP93	2000	724545	1 - 227	15 - 241	
HD TGW21	2001	785047	1 - 369	15 - 383	AB007857.
HD TGW52	2002	726197	1 - 100	15 - 114	
HD THA89	2003	838813	1 - 345	15 - 359	AA745404, N23046, A1057391, AA001345, AC003101, AC004526, AL031670, AC009721, AL109748, AC004256, AC004090, AP000152, AP000010, AL021155, AL022330, AC005007, AL023584, AP000546, AC005969, AC003086, AC000379, AL023553, AC006543, AC007283, and AC006011.
HD THB41	2004	711849	1 - 475	15 - 489	AR035806.
HD THE95	2005	795180	1 - 494	15 - 508	AA847163.
HD THK91	2006	789790	1 - 616	15 - 630	AC004611, AC005551, AL096701, Z97054, AC005529, AC003101, AC005527, AC005011, AF053356, AC004813, AC006965, AC004985, AC004167, AC002375, AC002565, AC005874, AF134471, AP000036, Z83844, AC003684, AC005622, AL132987, AC005837, AC005102, and AL049780.
HD THM43	2007	851854	1 - 483	15 - 497	
HD THO45	2008	799861	1 - 163	15 - 177	AW089395, A1053518, A1345012, A1358008, AA837739, AA664248, AA610530, AW238137, AA837796, AA993165, AW238250, AA084950, N70293, AA599749, AL047254, AA594220, T05354, A1124706, AW161966, AA001398, A1683742, AA666066, AW440424, A1223626, AA583579, AW130446, AA583568, A1568849, A1274006, A1921692, A1567831, A1445768, AA586553, D25667, A1889648, A1613487, A1336206, AA654038, AA658918, AA047045, A1572680, A1884861, A118567, AA774119, AW021519, AA649660, F03603, A1375036, A1083707, A1246061, AA599080, AA832124, AA832152, AA470958, H86399, H47461, A1205348, A1134332, AA224525, AL036070, A1054090, A1761566, A1114645, A1872117, A1744381, A1249853, A1284543, A1254770, A1251944, A1251034, A1251203, A1251284, A1250552, AA304790, AA078088, AA295893, AA295899, H77666, AW149972, AA564682, AA593388, A1354341, AW327597, AA468289, AA911520, A1732682, A1869786, A1922583, AA347653, AA780648, A1521042, AW327555, AA167179, A1912505, AA078509, AA742775, H37892, AC002073, AL031284, AC004895, AC002347, AB020863, AL023880, AL049543, AL137474, AP000959, AC004522, AC007387, AC005274, AC004131, AC004859, AC005519, AF061032, AF003626, AP001052, AC005664, AC008134, Z98751, AC005924, AC004837, AC000097, AL031663, AC006547, AC002351, AC000025, AC005527, AC005529, AL034555, AC004150, AC000379, AC002049, AC002054, AL117328, AL021332, AC004701, AC002472, AP000550, AC007664, AC008018, AC005358, AL133216, AL080243, AL035457, AL049569, AC006211, AL020997, AC007227, AC000083, AL031287, AL031775, AL033517, AL021878, AC004686, AP000346, AC002312, AC007695, AC004778, AC005800, AL031848, AC006210.

					Z92542, AL050332, AC007637, AC005747, AP000355, U77080, U77078, AC008042, AL049829, AC004181, AC002299, AC005695, AL049591, AF104934, AC005017, AP000555, AL022318, Z85996, AC002091, AP000350, AC004149, Z97030, Z68323, AF117829, AC005005, AC003042, AL034379, AL034417, AC005375, AL079342, AC003693, AC006449, AJ006345, AC005562, AL117338, AC002331, AL009031, AC004448, AL109982, Z93020, AL132987, AC003108, AB026899, AC009263, AP000352, AC004953, AC005723, AL049779, AC005952, AC005086, AP000260, AP000099, AP001065, AL034369, Z83840, AP000036, AC022517, AC007226, AC004083, AC006115, AC007376, L44140, AF049895, AC005531, AL031667, AC005186, AC004106, AC005903, AP000068, AC005865, AC004955, AC005247, U91318, AC005189, AL049844, AC005480, AL109798, AC004381, AC006160, AC002991, U15422, AL121652, AD000812, AC003110, AC004017, AC007746, AC002126, Z99127, AL035416, Z98941, AC006120, AC005740, AL049781, AC002368, AC007240, AF001550, Z98742, AC002128, AC007676, AC007919, AL078639, AL031433, AC006088, AL121923, AL135744, AL031282, U47924, AL022238, AC002551, AL024494, AF051976, X77825, U77079, U77081, AC005049, AL050306, AL049697, AC007371, AL031685, AC007386, AL008582, AC005913, AL022302, AJ229041, AC005730, AC007684, AC001644, AL096703, AC006959, AL031588, AL031056, AC007444, AL121877, U96629, AC006312, AP000500, AC005694, AC007056, AP000353, AF071746, AC006950, and AC002404
HDTHQ15	2009	923899	1 - 599	15 - 613	AA215544, AA262119, D87446, and AF060565.
HDTHQ55	2010	799859	1 - 417	15 - 431	
HDTHW16	2011	799839	1 - 623	15 - 637	
HDTHZ46	2012	957669	1 - 362	15 - 376	H59787, AA911636, AA631183, AI025526, AI923762, AI740793, AA743390, AI202128, AI660488, H82705, and AI368872
HDTIB38	2013	971665	1 - 922	15 - 936	AI872294, AW207586, AW195605, AI693146, AW075561, AW068887, AA993676, AI758241, AI799473, AI031659, AI419921, AA961774, AI355364, AI190742, AW451406, AA598664, AA603695, AW057857, AI807320, AI510700, N50786, AA737532, AA766363, R68978, AI124003, AI445187, AW102731, H04784, AI122873, R69607, AI253794, AA897328, AA598571, AI540516, D19777, AI267421, N55144, H04882, AA334830, and AL135745.
HDTIC48	2014	828038	1 - 406	15 - 420	H82510
HDTIC74	2015	838780	1 - 536	15 - 550	AA084725, AA189117, AL048925, AI801482, AI284640, AL046409, AI963720, AL042753, AA127353, AI679782, AI270117, AW406755, H71429, AI334443, AW419262, AW072587, AI431303, AI570261, AI133164, AW276827, AI368745, AA490183, AW193265, AI613280, AW302013, AL119691, AI364020, F36273, AA610491, AL043719, AW303196, AI281881, AI350211, AA523810, AW261871, AI858451, AI434695, AI358229, AA581903, AW301350, AI061143, AI567076, AI754336, AW327868, AI240168, AI143242, AI341664, AA984708, AW088846, AI538852, AA503473, AA649542, AA649484, AA491814, AI365988, AA578481, AL138265, AI471543, AA577906, AI061334, AW265393, AA680243, AW270270, AW274349,

AA665021, AI732120, AL042853, AA521399, AI375710, AI754658, AL138455, AW410400, AW265385, AW407578, AW270716, AA446657, AW341900, AI718446, AI571512, AI289067, AW148792, F16127, AI355206, N27584, AA846929, AW438643, AA455483, AI688846, AI379719, AA402129, AI053672, AW163293, AA177061, AI110770, AA584082, AA488746, AA613232, AA828042, AW301809, F29989, AI298710, AW023672, AA877817, AW193432, AA649722, AA587604, AA720702, AI669453, AA521323, AI345654, AA132914, AI962050, AA493219, AI619997, AA657918, AI192631, AA878409, AW300625, AL038474, AW406447, AA806796, AI471481, AI148277, AI801591, C05755, AW162489, AI635818, AA468022, AI017415, AA470969, AA084070, AI696962, AW169537, AA630362, AA526779, AI633025, AI151261, AI871722, AI246119, AL044940, AI119984, AI561255, AA515829, AA507824, AI955323, AI358501, AA525824, AA649642, C06339, AI307608, W79504, AA599920, AA126051, AA126035, AW021207, AA610493, AA846935, AI287485, HI13757, AI041690, AW265009, H72402, AA126450, AI921296, AA491284, AA682912, AI859742, AW103758, AA973803, AI610159, AI623720, AI137954, AI653886, AA613345, AA846907, AA601876, AA721056, AW089322, AW238278, AA613227, AW276817, AI076766, AA857486, AA503119, AA586458, AA623002, AI344844, AI744995, AL046205, AI921061, AA601253, AI358812, AA587256, AA679514, AA837718, AI635274, AI120687, AW073470, AC007421, AF001549, AP000134, AP000212, AC008134, AP000251, AL049776, AP000030, AC008040, D87675, AL132777, AC006948, AC007385, AC005089, AC004605, AC004263, AL132718, AC006026, AC000387, U11309, Z49258, AC004890, AC004453, AC005037, X54175, AC006011, D83989, AL13245, AF015148, AF031078, AC008372, AC007191, AF030876, AC007216, U57009, AC005225, AF015156, AC005988, AC006116, AC002468, U18394, AC005041, AL031228, AC006111, AC004593, AL021808, AC006042, AL049539, AC005846, Z83826, U95742, AC004816, U80017, AC005372, AC004057, U18391, AC007455, AC005288, Z98051, AP000959, AC006479, AF152365, I51997, AC005335, Z82244, U67221, AL022163, AC003693, AL008715, Z99716, AL096701, AC007364, AC005015, AC005678, AL009172, U18396, AL034549, AL132712, AF131217, X54180, AF107885, AC006254, AP000568, AL078581, AF129756, AF017104, AP000126, AP000204, AC004966, U85195, AL031427, X54178, AL121603, AC008123, AC004491, X55926, AC005837, AC008045, AC005585, AL031347, AC007666, AC004859, AL035422, AL049761, AC004615, AP000142, AC006064, Z94055, AC006157, X54181, AP000557, AL031577, AC003691, AE000658, AL096703, AC007308, AL008627, AF015152, AF109907, AC010170, AL049760, AC006313, U57007, AC007617, AC005808, AJ006345, AL022476, AL121934, AC007537, AC006997, AC007298, AF124523, AC005778, AL023575, AP001038, AF045555, AC005004, AC005180, AC007277, AC008039, AC005620, Z85999, AC004531, U18393, AC000118, AL121655, AP000244, U57005, AL049557, AC006965, AC006597, AC005215, AC007227, AC005324, AC005019, AL023656, AC006484, AC005632, AL049795, AC005829, AL035252, AC002377, AC005399, AC003956, AC007387, AF088219,				
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HDTID61	2016	908946	1 - 730	15 - 744	AW439565, A1827530, A1887525, A1890158, A1859703, AW118200, AA749212, AA430563, AA883993, AA029288, A1095763, AA043743, H03766, A1598263, A1634574, A1079917, AW243702, AA452390, A1634584, AA132531, A1610785, N51151, AA602187, AA971019, A1926025, A1279436, A1220990, AA888601, AW131171, AA969116, A1818902, H02869, AA579993, AA621433, A1922025, AA369249, A1469540, AA021150, A1300047, H88995, N47896, R70915, AA043742, AA912768, A1926028, AA937998, AA029756, AA834867, A1183313, AA342184, A1873839, AA4333979, AA167094, A1017196, AA866089, AA993239, AW371991, AA028917, A1926057, AA911119, H88778, AA283401, and AA283400
HDTIF01	2017	883070	1 - 515	15 - 529	AA938105, R98945, A1110760, AL119762, AL041013, A1114869, AW075511, AW102811, AA806796, AA070456, A1133516, A1061646, AA767276, AA524821, T74382, A1313166, AA219225, AA224525, AA601348, A1093030, AA083046, AA502104, AA531580, AA836811, AA081825, T40308, AW151713, AA601294, AW440545, AA846568, AL046586, AW274346, AW161966, AA765736, AL138254, AA774222, AW245747, AA468456, AA377927, AA774780, T56253, N70044, R70821, AW407632, A1471603, AA806799, A1499134, R80876, A1826263, AA614180, AA634889, H46122, D82542, AA664909, A1345654, A1708009, H40936, AA483929, AW103758, A1305766, A1284640, AW168453, AA121894, AL035659, AL121603, AC002470, AC004167, AL031846, AL035420, AC005412, AC007021, AC005280, AL096774, AC003043, AC006084, AC004738, AC003664, AL031255, AC000052, AL035400, AC007731, AL049780, AC005531, AL031767, AC007055, Z83819, AC004149, AC002301, AL080243, AC004150, AC005500, AP000553, AC002072, AC009516, AL034549, AC004263, AL139054, AC004019, AC006285, AC004675, AC004859, AL049758, AC005084, AL022721, AL035587, AC005411, AC005694, AP000966, AF088219, AC007216, AL022165, AC004895, AC003108, AC006042, AP000555, U80017, AC000026, U85195, AC006241, AL031447, AC004216, Z95118, AC009044, AL031577, AC005031, AC005670, AC000087, AC004797, AC004815, U72787, AC005911, AC007057, AL022316, AC005089, AC002476, AC005666, AC005003, AL022302, AL132712, AE000658, AC002059, AC004765, AC006146, AP000133, AP000211, L44140, AL117347,

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HDTIF00	2018	787413	1 - 490	15 - 504	AL134148, AL119391, AP000356, AC004820, AR060471, AC005940, AC004253, AL035684, U29953, AP000212, AP000134, AC002287, AC005015, AC003043, AC005412, AC004672, AL117337, U91321, AC007425, AL035086, AF205588, AC004216, AC005179, AC004098, AC007676, AC005037, AP000349, AC016027, AC016830, AL133396, AP000252, and AL079306.
HDTIG34	2019	799851	1 - 417	15 - 431	
HDTIH43	2020	935643	1 - 536	15 - 550	
HDTIM13	2021	926952	1 - 439	15 - 453	AA437170
HDTIR88	2022	931122	1 - 680	15 - 694	AL742572, AL19310, AL373601, AL458037, AL478168, AW243260, AW182412, AL628739, H96226, AA911198, AW237157, AA621899, AL963732, AA036662, AL699482, AA935821, and AL560638.
HDTIV22	2023	883109	1 - 398	15 - 412	
HDTIV37	2024	799867	1 - 590	15 - 604	AL110718, and AC006121.
HDTIV62	2025	799835	1 - 639	15 - 653	AA290838
HDTIW03	2026	922928	1 - 471	15 - 485	AC003992
HDTIX57	2027	799828	1 - 596	15 - 610	AL660431, AA705801, and AF112299.

HDTIY24	2028	799854	1 - 391	15 - 405	AW392670, Z99396, AL119457, AL119484, AL134902, AL119391, AL119363, AW372827, AL119497, AL119443, AW363220, AW384394, AI142132, AL119319, AL119341, U46351, AL119324, U46346, U46350, U46347, U46349, AL119335, AL119355, AL119444, AL119496, AL119483, U46341, AL119439, AL119418, AL119399, AL037205, AL119522, AL119401, AL134518, U46345, AL119396, AL134538, AL042965, AL042450, AL042614, AL134525, AL134536, AL042970, AL042975, AL042984, AL042544, AL043029, AL043019, AL042542, AL042551, AL043003, AL119464, AB026436, AR054110, AR066494, AR1671, AR060234, and AR069079.
HDTIY26	2029	799855	1 - 409	15 - 423	AA281844, AI284640, AA862227, AI133164, AI281465, AI471481, AI291124, AI282832, AI291268, AI341548, AL046409, AI266133, F36273, AA340747, AI298710, AW157005, AI341664, AI289067, AW193432, AI431303, AA491814, AI688846, AW439558, AA992126, AI358343, AA133986, AA582554, AI028510, AW276827, AW193265, AI536625, AW339568, AI061334, AI340453, AI761471, AW419262, AI350211, AW276435, AW166815, AA984187, AA284184, AI587583, AI587565, AI963720, AA865262, AI754658, AI613280, AL041706, AW274072, AI610159, AI079910, AI004591, AW008317, AI334443, AI569086, AW193609, AI801591, AI053672, AI358501, AA719805, AL040054, AI198376, AA649642, AI085719, AI830390, AF150152, AA350859, AI375710, AI814735, AI937850, H79308, AI143242, AI344844, AA347927, AI653886, AA669840, AA657835, AI619997, AW166611, AI832865, AI246996, AI460050, AW188976, AI049634, AI709365, AW276817, AA977743, AI246796, AL043578, AI193007, AW131457, AI371070, AW021917, AI285696, AA347930, AW410400, AI434695, AW302013, AW406447, AI590958, AA557686, AA713815, AI590772, AI884487, AW055226, AI589230, AI653515, AW341903, AW088058, AI676218, AL042753, AI379719, AA593471, AA121777, AW265385, AL048925, AC005324, AC004796, AC006125, AL135744, AC009516, AC005696, AL133245, AC005332, AC003663, AL049766, AC005913, AL132777, AC004987, AC005740, AF109907, AL022163, AC002402, AC004963, AC006597, AP000557, AD000092, AC005412, AL031667, AC006312, AC012627, AC005699, AC004534, AL008718, AC005180, AL031054, AC000353, AC007842, AL033376, AL021808, Z93930, AC010186, AC005725, AL049836, AC005598, AC003684, AC004638, AL035420, AP000558, AC004675, AL035072, AP000959, Z95152, AC006126, AC005670, AC008249, AC004825, AF088219, D00591, AC005736, AC006480, M87914, U52112, AL023494, AC004998, Z99716, AC005006, AC005237, AC005531, AC004386, AC016831, AC005519, Z97184, AL050332, Z93017, Z98950, AC007793, AC006251, AC007637, AC005253, AC007151, AC002398, AP000216, AC005387, AL079340, AP000553, AC006050, AL078476, AC004876, AC005846, AP001053, AC004929, Z93241, AC006211, AC004858, AC008056, AC007191, AC005154, AP000692, AL049745, AP000047, AC007227, AC003119, AL137994, AF047825, AC006999, AC002307, AC005274, AC005071, AC004895, AL049830, AC009227, AC005089, AP000115, AL031432, AC012085,
HDTIY41	2030	799853	1 - 641	15 - 655	

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HDTIY69	2031	799857	1 - 493	15 - 507	AA736584, AW075941, AI803986, AW075748, AA480329, AA749202, AA804593, AI214324, AA907245, AA905861, AA806181, AI825149, AI479015, AI766668, AI312426, AI334900, AI334929, AI250558, AI334885, AI379810, AI307204, AI309438, AI340732, AI349156, AI334899, AI271248, AI307713, AI224312, AI307488, AI223564, AI053668, AI223777, AI340417, AI349701, AI349296, AI134999, AI926593, AL040620, AI696583, AL039086, AI474093, AA648441, AI250646, F37409, AI633061, AI500658, AI918424, AA768725, AW169654, AI587489, AI421149, AW020619, AI249375, AI702527, AI866573, AW080157, AA776730, AI879377, AI421662, AW020381, AI638582, AC004687, AL133607, Y10080, L40386, AF067728, I42402, U76419, AL050393, AF107018, AF004162, AF013249, AF044221, AF105427, AF074604, AL117590, S69510, L24896, Z82022, A41575, AL137463, X98066, A83556, I29004, X66417, X60769, AL133608, Z49258, AF084644, AF084645, U80742, AL133049, AF112208, AR012379, AL133557, AF199509, E13998, AF126372, AC005156, AL080124, and AF038847.
HDTIZ44	2032	925574	1 - 388	15 - 402	
HDTIA54	2033	799856	1 - 66	15 - 80	
HDTJC51	2034	799850	1 - 313	15 - 327	
HDTJH16	2035	918631	1 - 846	15 - 860	AW117866, and AA279393.
HDTJH37	2036	799834	1 - 539	15 - 553	R33692.
HDTJH02	2037	913787	1 - 163	15 - 177	

HDTJ55	2038	856558	1 - 1012	15 - 1026	AI123328, AI761674, AI028395, AA883324, AI494492, AW340221, AI082842, AI739107, AI350566, and AI219506.
HDTJK81	2039	851897	1 - 574	15 - 588	AA631510, AA847102, AA570673, AA484892, N76216, T48723, F27015, AI683552, AI624551, AL044271, AF121178, AA558366, AI446205, AW270768, AW008074, AI814059, AI291037, AA603400, AA297195, AA968509, AW277174, AI636439, AA502110, F32248, AI620808, AI045298, AA535494, AA493840, H72688, AI245423, AA503144, N25079, AI890688, AI890102, AA835814, AW189550, AI889580, H85059, H71642, AI075876, C13996, AI469577, AC005529, AC007314, AC007676, AD000813, AC004882, AC002115, Z97055, AC008071, AC002465, AL078638, AC002302, AC006398, AC005332, AC006139, AC005690, AC004671, AC008012, AC004874, U91323, AL034423, AC007529, AC004862, AC002480, AC005235, Z83822, AL035361, AC004381, AC005183, U91319, AC003957, AP000282, AP000514, AC006064, AP000466, AP000108, AP000040, AC007425, AC000026, AC004616, AB020865, AC007450, AC005041, AF049895, AC002059, Z97876, AL033376, AC005018, AL034379, AL035089, AC004887, AL009181, AC005598, AC003976, AC006547, AC005049, U95740, AC004834, AL008718, AL008729, AC007011, Z84480, AL021707, AC004033, AL031728, AC002288, AC005011, AC005046, AP001054, Z99774, AC005409, AC006213, AC000072, AF001548, AC005701, AC000120, AC005243, AL122020, AC004551, L77569, AC004865, AL121653, AC005104, AL020995, AL034555, AL133445, AL132987, Z85999, AC004098, AC005004, AF001552, AC004808, AC002496, AC004963, AB001523, AC006359, AL035072, AP000030, AP000212, AP000134, AL117375, U89335, AL020989, AC009464, AF205588, AC005393, AL022162, AC007860, AC006013, AC004982, AC006430, AF227510, AL121754, AC009263, AC004073, AC006947, AC004594, AC004895, AC002563, AC006544, AL035633, AC005881, AC004216, AL021940, AC004542, AL021395, Z98200, AC007637, AF099810, AC003682, AC004694, AL031643, AL022328, Z84466, AC009225, AC007371, U52111, AL031904, AC006006, AP000088, AC004745, AC005971, AP000011, AP000153, AC007664, AL009179, Z81365, AC009743, AL031673, AC009247, AF019664, AC005086, AP000031, U91318, AL021877, AC005548, AJ004799, AC003106, AC004876, AL049778, AF047825, AL034343, K03021, Z85989, AF045450, and AP000152.
HDTJQ18	2040	805597	1 - 508	15 - 522	AC010196.
HDTJT70	2041	918563	1 - 1094	15 - 1108	AA399660, and AA397890.
HDTTU06	2042	934242	1 - 412	15 - 426	
HDTKP88	2043	799865	1 - 566	15 - 580	
HDTK014	2044	886936	1 - 541	15 - 555	AL023653, and AL049683.
HDTKS28	2045	885471	1 - 512	15 - 526	W07055, N98814, R19346, AA461032, Z20457, W93772, W77921, AF155739, and AL050171.
HDTKU06	2046	934269	1 - 722	15 - 736	AL037304, AI184565, and AC004492.
HDTKX89	2047	799829	1 - 690	15 - 704	
HDTKZ74	2048	799842	1 - 626	15 - 640	AC006378.

HDTLA08	2049	958307	1 - 480	15 - 494	<p> AL299823, AA918074, AA134973, AA484892, AA878492, W60522, AA526413, AL150934, H86399, AL049539, AF129756, AC005800, AC004929, AL080243, AC007688, AC002316, AC000353, AC005095, AC005971, AC006006, AC004216, AC002369, AC004491, AL020997, AF053356, AL096712, AC007685, AC005231, AL109938, AL132712, Z98946, AC007386, U96629, AL139054, AC005082, AL049569, AC004832, AC005529, AL024498, AL031591, AC011198, AL022320, AC006312, AC007684, AL050308, Z84487, Y14768, Z97053, AC004858, AP000505, AC007057, AL049872, AC005207, Z93241, AC004882, AL121871, AC002395, AC002310, AC005899, AC005004, AF109907, AP000555, Z80897, AC002477, AL031297, AL109653, AL022396, AC005933, AC004025, AC004685, AC005332, AC005696, AL035494, AL033392, AC007283, AC007425, AF067844, AC005911, Z98742, AC004921, AC007536, Z82208, AC002985, AC020663, AL049712, AF134726, AC008067, AC002301, AL109627, AC003665, AL133216, AL132777, AL049760, AL021937, AC004531, AC007160, AC002347, AL009181, AC004448, AC004655, AF064861, AL031733, AC005566, AL109628, AC005694, U07000, AL034553, AC005837, AC002312, AC007707, AC005015, X03120, AL035681, Z98750, AL034429, AC004854, AF196779, AC005690, AC005924, AC006333, AC002126, AL021391, AC005740, Z98745, AC007324, AL031005, AL035587, AC002425, AF165926, AC007488, X01392, AL117258, AL031277, AC005261, AF045555, AC004036, AC005527, AC005224, AC005225, Z54246, AC007690, AJ010770, AC015853, AL136295, Z93023, AF111169, AC004013, AC006079, AC005041, AL031282, AC007014, AL049795, AC005678, J00098, AC002565, AC006211, AL121578, AF047825, AC005736, AL022324, AC006449, AL049589, AL135744, AP000350, AL031311, AL049869, AC002365, AC005049, AC005846, AC006576, AC006064, AL031657, AF207550, AP000557, AC005632, AC000379, AC006236, AL121603, AC004659, AL031283, AC004149, AC007226, U89337, AC006459, AP000358, AC004099, AP000251, AD000091, AC006251, AL096763, AC006538, Z97055, AC005081, AL049830, AF196969, AC005668, AC007240, AL035664, AC005821, AC005914, and AP000141. </p>
HDTLA53	2050	851826	1 - 635	15 - 649	
HDTLB55	2051	905872	1 - 558	15 - 572	R54209, H04999, AA179219, M62122, AA143551, W24376, and AA376209.
HDTLD17	2052	908601	1 - 654	15 - 668	W27300.
HDTLH19	2053	959932	1 - 279	15 - 293	
HDTLK51	2054	851846	1 - 524	15 - 538	<p> A1349849, AL590485, AL345695, AL345366, AL310873, AW168420, AA582073, AA605272, AL755214, AL754105, AA809546, AA829044, AA228349, AA953238, AA282820, AL042635, AL754567, AA515905, AA126450, AA748833, AA744018, AA244339, AA410828, AA828834, T11828, AC004832, U91326, U91321, AC004525, AC007708, AC005081, AC005015, AL049832, AC002544, AL022336, AC005089, AC002407, AC003982, AC006236, AC002351, AC007981, AC007324, AC006537, AP000130, AP000208, AC007325, AC005884, AC007879, AL021546, AL049780, AF001552, AL049539, AL121580, AC004858, AC006441, AC004848, AC004929, </p>

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HDTLN80	2055	805562	1 - 605	15 - 619	AW372827, AW392670, AL042978, AL119443, AL037205, AW363220, AW384394, U46341, AL119319, AL119497, U46351, AL119324, AL119457, Z99396, U46349, AL119341, AL119484, AL119391, AL042965, AL119496, U46350, U46347, AL119355, AL119363, AL119444, AL142132, AL119483, U46346, AL043205, AL119335, AL134524, AL119439, AL119401, AL134902, AL134528, AL119399, AL039851, AL119522, AL134525, AL119396, U46345, AL042850, AL119464, AL119418, AL134536, AL134538, AL042973, AL043003, AB026436, AR054110, AR066494, A81671, AR060234, and AR069079.
HDTLP72	2056	799837	1 - 343	15 - 357	AP000224, and AP000086.
HDTLX24	2057	799838	1 - 615	15 - 629	AL049631.
HDTMG55	2058	959633	1 - 494	15 - 508	
HDTMH14	2059	799847	1 - 457	15 - 471	AF067844, and AF143316.
HEIAA07	2060	920257	1 - 300	15 - 314	AC003695, and AC002091.
HEIAA38	2061	907594	1 - 332	15 - 346	
HEIAB13	2062	677400	1 - 339	15 - 353	R32529, W95563, T85989, AA316471, AA046628, AA152270, T87538, AA150254, H67429, R68856, AW406467, T97847, H95214, H58974, H94342, R98261, T99568, T87539, and AI991836.
HEIAB27	2063	683474	1 - 313	15 - 327	AA768235, AA768974, AA767660, and AF033033.
HEIAB68	2064	721652	1 - 68	15 - 82	
HEIAC83	2065	920022	1 - 148	15 - 162	AI890971, AA323085, AA325999, R87547, AA196160, H04821, N83628, AA687084, AA502236,

					AA555085, AL134615, AI127133, AW439625, AI962973, AW439820, AI859849, AA683037, AI081241, AI052770, R69109, AA625787, R66922, AA744098, AI702364, AP000555, AL049563, Z86061, AL035417, AC007842, AC005043, AF001552, AC005233, AL109938, AF121782, AL034423, AC005180, AL031407, AC004682, AL031003, AC007052, AL050325, AC004931, AP000151, AL139054, D83253, AF064857, AC004955, AL031430, AP000009, AC005229, AL022328, and AC009396.
HEIAD05	2066	932397	1 - 295	15 - 309	
HEIAE05	2067	932390	1 - 211	15 - 225	
HEIAE76	2068	577254	1 - 287	15 - 301	AA659298.
HEIAG38	2069	577308	1 - 372	15 - 386	AI688963, AA308708, AW020449, AI914747, AA325521, AI537814, AI811076, AA658101, AA452879, N55560, AI261932, AI863180, AL044468, AI888705, AI755057, AA767864, AI801031, M85982, AI140609, AW079345, AI580252, AI111171, AI684349, AA668736, AA121818, AA227741, AI434725, AI188963, AA419521, AA406457, R71593, AA278573, AA078248, AI798234, R12683, AL078602, AC001556, AP000499, AC003665, AB026898, AL031428, AF008243, AC005081, AC005015, AC004167, AC008015, AP000160, AP000018, AC003950, AC004104, AC004787, Z54246, Z95331, AF001549, AL139054, AC005581, AL049745, AC001228, AP000555, AC007242, AC004990, AL133241, Z93244, AC002430, AP000553, AC005089, AL020997, AC007384, Z49862, AC007666, AC007277, AC000052, AC004019, AL132777, AL050317, AL022316, AC005513, AC005545, AL008716, AL024509, U82828, AC004876, AC004032, AC004143, AL031779, AC005409, AC008372, AC007011, Z68162, AC003966, AC004738, AC005670, AC004106, AC004967, AC004590, AP000556, AP000557, AB017335, AC004914, AC002301, AC004878, AL031277, AC018633, AC005781, Z84466, AC005666, AL031680, AL049636, AC000353, AC006111, L34079, AC000404, AC004084, AP000167, AP000013, AP000155, AL050318, AC005837, AL023807, AC005562, AC008116, AJ006216, AC005257, AP000171, AP000056, AP000124, AC004865, AP000330, AC004638, AC005325, AC007773, U91321, AC004752, AC005049, AC006344, Z98941, AC004884, AL035413, AL109865, AF024533, AC002511, AC002996, AC005088, AC004985, AC010205, AC007376, AJ011930, AC006241, Z93784, AC003077, AP000067, AC005231, AL009181, AC005482, AC005391, AC004777, AC005796, AF051976, AL117375, AL050327, AC004453, AC009320, AL008639, Z85987, AC007558, AL049709, AC005086, AP000432, AC006531, AC007546, AL049553, AC006536, AC004841, AL080317, AC007390, AC005914, AL031848, AC020663, and AF001551.
HEIAH70	2070	757174	1 - 330	15 - 344	
HEIAL53	2071	466308	1 - 420	15 - 434	
HEIAO01	2072	916438	1 - 290	15 - 304	AC006241, U47924, AL035400, and Z97053.
HEIAO14	2073	851197	1 - 398	15 - 412	AI445914, H81732, AI096738, AA230155, AI963183, AI813783, AI358542, AA501781, AA746939, AI380617, AW008161, AA837000, AA654874, AL038842, AA776651, AA745096,

					AI921348, AI683131, T98915, AW023515, AI345497, AI690497, H73550, AL041458, AI624421, AI459943, AP001053, AC007382, AC006455, AC004817, AC005746, U07562, U85195, AC002563, AE000658, AC005578, AC004167, AL078595, U91629, AC003037, AC010170, AL022163, Z86064, AC005355, AP000330, AC004620, Z69721, AC004854, AL031666, AC005391, AC005379, AL049692, AL035604, Z92845, AC002470, AC003108, AL109758, AL049874, AC005088, Z54146, AC002395, AC007199, AC005529, AC005412, AC006125, AC007308, AC005596, AC007110, AC004560, AC004887, AL034417, AP000699, AL022153, AL023913, AC004644, AC005913, U65896, AL035420, AC007151, AC004813, AC005393, AC004139, AL021154, AC003963, Z83845, AL096701, AC004132, AC005049, Z93017, AC006111, AC004492, AC003026, Z98050, AP000288, Z93023, AF102137, AF060568, Y10129, Z93244, AF030453, AC007002, AL133245, AL049811, AC004067, AF196779, AC006057, AC005037, AC005162, AL035455, AC006262, AL031846, AL031664, AL031286, AL021707, AC004125, AC006538, AL031311, U91321, AC005832, AC000039, AC002117, AC002302, AL096801, AC003109, AL135746, Z97053, AC005383, AP000283, AC007388, AC005387, AP000284, AC005070, AL031432, AC008033, and AC008015
HEIAO48	2074	917281	1 - 366	15 - 380	AA353129, AC002310, AL031295, and AL009174.
HEIAO51	2075	725649	1 - 210	15 - 224	
HEIAT07	2076	953574	1 - 348	15 - 362	
HEIAT36	2077	576598	1 - 497	15 - 511	AL023096.
HEIAU68	2078	753000	1 - 211	15 - 225	AW293633, and D87470.
HEIAV20	2079	523766	1 - 346	15 - 360	AI610108, AW130937, AA829185, AW197946, AC004540, Z98751, and AC0009498.
HEIC82	2080	781171	1 - 371	15 - 385	AI633518.
					AI910620, AC005520, AL031432, AC004876, AC008124, AC005871, AC005822, Z77249, AC004985, AL109738, AC000353, AC004084, AC002378, and AC006111.
HEOAB19	2081	939448	1 - 308	15 - 322	AW238796, AI446252, W47453, and AB011164.
HEOAD29	2082	690762	1 - 487	15 - 501	
HEOMC23	2083	850094	1 - 391	15 - 405	AW118893, AA448473, AI376031, AI911852, NS1619, AA993690, AI818630, T15650, AI014894, AA452607, AA432010, AI968348, and R43403.
HEOME43	2084	967292	1 - 1957	15 - 1971	AL043294, AL045350, AI190043, AI553975, AL043295, AA837456, AI678979, AA610597, AW118951, AA916395, AI022758, AI809435, R46582, AI688011, R82289, AI909854, AA426089, AI540672, R21690, AA634501, AI286300, T96008, AA477176, AI589160, AI024524, AI866060, AI394226, and AW299557.
HEOMF61	2085	573059	1 - 431	15 - 445	
HEOMG01	2086	916672	1 - 490	15 - 504	AL035091.
HEOMG04	2087	922824	1 - 67	15 - 81	AC004884.
HEOMG16	2088	933969	1 - 464	15 - 478	AC004997, and AC005585.
HEOMG25	2089	678190	1 - 695	15 - 709	AI546993.

HEOMG32	2090	699343	1 - 410	15 - 424	AC005247.
HEOMG48	2091	963338	1 - 470	15 - 484	AW170594, AI632286, AA319071, AP000504, AF129756, and AF109905.
HEOMG78	2092	920911	1 - 831	15 - 845	AA206565, R98750, and R71112.
HEOMH04	2093	854342	1 - 1294	15 - 1308	AA878325, AI467795, H60658, AI142916, H59844, and R48574.
HEOMH31	2094	951834	1 - 589	15 - 603	AB011169.
HEOMH77	2095	721342	1 - 401	15 - 415	AA749137.
HEOMH89	2096	787109	1 - 358	15 - 372	AI768609, AA350845, AI140661, AW207100, AW382915, R85713, AI880236, H38087, AI984926, AI828532, and AI245621.
HEOMK83	2097	918374	1 - 480	15 - 494	AB029488, and AC002536.
HEOML13	2098	893874	1 - 340	15 - 354	AC002425, and AC002544.
HEOML73	2099	724043	1 - 405	15 - 419	
HEOMM10	2100	964736	1 - 364	15 - 378	
HEOMN02	2101	913819	1 - 548	15 - 562	
HEOMO43	2102	855659	1 - 412	15 - 426	
HEOMO57	2103	795128	1 - 472	15 - 486	
HEOMP31	2104	698087	1 - 364	15 - 378	
HEOMP73	2105	750609	1 - 407	15 - 421	H64717, and H65208.
HEOMQ17	2106	851049	1 - 630	15 - 644	AL008628.
					AA523718, AA565660, AL042630, H55927, AW117723, AW117704, AI287787, H74201, AA528557, H62615, AI914558, AA206036, AA348884, AI473501, AC006566, AC005837, AC003663, AC007016, AC008372, AC004193, AB023057, AP000520, AC007390, AC007189, AI239321, AL034350, AC002487, AC005668, AC006992, AC004653, AC005838, AC004079, AC005915, AF055066, AF054594, AF035666, AC007652, AP000008, Z79028, AC005823, AC004134, AL049697, AC005821, AC004531, and Z82198.
HEOMQ75	2107	965882	1 - 560	15 - 574	AL035522, AL137100, AC005089, AC005899, AC004031, AL080243, AC007688, AC007707, Z82178, AC004686, AC005488, AC022517, AC006581, AL031662, AC005072, AC005529, U91323, AC004963, AL009181, AC002425, AL031659, AC004878, AC005722, AC004531, AC003101, Z84466, AC005015, AC004616, AC004966, AC005800, AF006752, Z84487, AC005996, AC002300, and AC005479.
HEOMQ80	2108	835599	1 - 431	15 - 445	
HEOMR13	2109	657317	1 - 657	15 - 671	AA136577, AI806102, AI086830, AW080440, AW130093, AA129563, AW402817, AW025074, AA101113, AA502991, AW148507, AA630672, AA837087, AW403644, AA127426, AA483108, AA809546, AW177794, AA858372, AW177801, T77680, AI627614, AI611960, AI583255, AW328000, N23504, AI524360, AW128884, AW128900, AA634837, AA654661, T06917, AA455483, AI537458, H68017, N58329, AA633762, AI002744, AL037052, AA326139, AA552955, AA402129, H25921, AA331301, AI907530, AI086646, AA487872, AA845659, AA380354, AI656774, AL119600, AA773463, AA847095, AW250026, AA551181, AA629872,

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HEOMR57	2110	575739	1 - 298	15 - 312	AF150377.
HEOMR92	2111	963130	1 - 397	15 - 411	
HEOMR96	2112	855652	1 - 646	15 - 660	
HEOMS08	2113	959581	1 - 193	15 - 207	
HEOMS65	2114	969184	1 - 474	15 - 488	AA355836.
HEOMS85	2115	662928	1 - 400	15 - 414	AC003695, and AC002091.
HEOMS92	2116	735720	1 - 341	15 - 355	AL377718, AA810404, AA810193, A1919569, and AA732716.
HEOMT38	2117	850980	1 - 433	15 - 447	AA281379, and AA805453.
HEOMT79	2118	936687	1 - 502	15 - 516	T87253, U73628, and AC002554.
HEOMU07	2119	953475	1 - 244	15 - 258	AC012085.
HEOMU23	2120	675971	1 - 374	15 - 388	R25873, AA730123, A1979259, A1982610, A1985694, AW130285, AL022067, and U08185.

HEOMU79	2121	965900	1 - 543	15 - 557	
HEOMV11	2122	847274	1 - 282	15 - 296	<p>AL048427, AL119511, AW151974, AI434242, AI538850, AI538885, AI872423, AI690472, AI445620, AW058275, AI866469, AI500714, AI859991, AI860003, AI432644, AI440260, AI537677, AI494201, AI804505, AI500659, AI815239, AI866465, AI815232, AI801325, AI866691, AI500523, AI887775, AI582932, AI923989, AI284517, AI590043, AI500706, AI445237, AI491776, AI926593, AI289791, AW151138, AI889189, AI521560, AI500662, AI285417, AI539800, AW172723, AI582912, AI284509, AI889168, AI440263, AI927233, AI866573, AI633493, AI434256, AI805769, AI888661, AI952433, AI284513, AI888118, AI285439, AI436429, AI889147, AI623736, AI355779, AI581033, AI371228, AI491710, AI440252, AI431307, AI282249, AI440238, AI567971, AI866786, AI610557, AI431316, AI242736, AI539260, AI828574, AI887499, AI539781, AI431238, AW081122, AI702065, AI539707, AI885949, AW089557, AI559957, AI285419, AI521571, AI469775, AI866581, AW074057, AI815150, AI567953, AI446495, AW151979, AI867068, AI225248, AI358271, AW151132, AI698352, AW022636, AI890907, AI225000, AI371229, AI431323, AA477608, AI042365, AW169213, AI538881, AW079432, AI923061, AI687614, AW194509, AL047422, AI539771, AI891102, AI879377, AI047398, AI866458, AI469764, AI371251, AI866510, AI623302, AW081133, AI538764, AI866461, AW151136, AI923046, AL043152, AI554485, AI887785, AW130168, AL043168, AI049859, AL041862, AA651819, AI561170, AL048403, AI690946, AI889191, AI648567, AL042686, AL046356, AI433157, AI610426, AI554821, AL045500, AI589947, AW129310, AI819663, AA729782, AL119457, AI312428, AI540446, AI564459, AI273179, AI934000, AI368816, AI371243, AW058279, AI434240, AL042533, AI702406, AL039390, AW080700, AA641818, AI671642, AI860865, AA878808, AI961589, AA738104, AI582910, AI687587, AI798359, AI500683, AW079158, AI356470, AI493559, AL042655, AA939199, AI355008, AI521566, AI499104, AI274759, AL046990, AI630898, AL042416, AI539863, AI366900, AI433976, AL045466, AL042488, AI924051, AL043089, AW161202, AI049850, AI366910, AI469516, AW071349, AI349245, AI561177, AW020419, AW082113, AL040459, AL047611, AL040207, AI582926, AI049851, AI491904, AL040844, AL043321, AI365256, AI565932, AW080565, AA070889, AA575874, AI499463, AA648480, AL045626, AW191003, AI355126, AI537187, AI564500, AL045166, AW197139, AI354981, AI240602, AI610362, AL042544, AI440239, AI567961, AI521596, AI436438, AI828572, AI275175, AI521589, AI310500, AI537273, AI537191, AW151970, AI371265, AI436456, AL046681, AL039287, AW004595, AI887765, AI963846, AI049856, AC015853, AF055917, AR034821, AL080129, AF100781, AL050092, A58524, A58523, U30290, E12580, AL122049, AL117460, A45787, AL133049, AL133084, AL133070, E12579, AR011880, I48978, AL133053, AL137558, AL049423, AF118090, AL133015, AL133608, AL110159, AL137656, AL035458, U49434, X67813, M79462, D44497, AL049314, AL122101, AL096720, A08910, AL050024, A08909, AF084644, AF084645, AF114168, Y11254, U77594, AL122100, A08908, U68387,</p>

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HEOMV16	2123	958211	1 - 452	15 - 466	F11697, AA194124, AC005999, AC006547, AC005663, AC005664, and AC005160.
HEOMV54	2124	866586	1 - 518	15 - 532	AI819924, AI139693, AA658096, AW340876, AW196652, AW388936, AW117675, and AI146863.
HEOMV81	2125	915093	1 - 491	15 - 505	Z85996.
HEOMW26	2126	418125	1 - 386	15 - 400	
HEOMW83	2127	659808	1 - 341	15 - 355	
HEOMX04	2128	615337	1 - 287	15 - 301	AI309389, N49368, AI433008, AI344822, AI611016, AA618452, AI271126, AL137998, R69717, AI744826, AW269117, AW385452, AI963720, AW303002, AA018283, AA490183, AA780468, AA349927, AL039958, T41247, AA661921, AI307486, W74144, AI345157, AI700109, AA483929, AL138455, AI249573, AI732151, AA279421, AW264934, AI694130, AA724922, AA747070, AL041619, AL046409, AW069769, AA486131, AI754336, AA533333, AI306324, F00107, AA780515, AW003107, AL138396, AI925579, AA482711, AI610603, AI696962, AI369580, W77807, W72692, AA838190, AW088846, AA654781, AA480792, AI791913, F05324, AI792133, AI821714, AA206721, AA493136, AI610840, AA553406, AA218835, N47224, AW190615, AA478355, AI431303, AI499588, AA493894, AA774059, AI393931, AI004704, AA834707, AI270117, AW088616, AA630672, AL045808, AL046156, AW023990, AW268757,

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HEOMX61	2129	958233	1 - 535	15 - 549		Z98950.
HEOMX65	2130	575919	1 - 451	15 - 465		N63479, T66032, AA196156, T47172, AA305334, AL124664, AL537310, AA401240, AA761876, AA769559, AA404287, AL925653, AA314294, AA581238, AA312605, AA032022, AA031911, AA425438, AA468322, F00487, AA420494, AA324750, U95740, AC004770, AL049759.
HEOMX92	2131	919200	1 - 422	15 - 436		AL033524, AC006237, AL035458, AF086934, AC005572, AC005772, AL109623, AC006211, AC004938, AP000354, AC006996, AC002492, AP000964, Z98946, AL110122, AC002091, AC004084, AL022165, AL008582, AL023581, AC004888, AC006511, AC006057, AC006512, AL049829, Z47066, and AC007381.
HEONC06	2132	855649	1 - 643	15 - 657		
HEOND75	2133	918209	1 - 314	15 - 328		
HEONJ79	2134	506226	1 - 333	15 - 347		
HEONK15	2135	660365	1 - 430	15 - 444		H06248, H13011, M89651, and AF004222.
HEONM30	2136	692726	1 - 311	15 - 325		AC007032
HEONM69	2137	855638	1 - 507	15 - 521		AC000393, and AF081946.
HEONN28	2138	745144	1 - 454	15 - 468		AL041375, AL053477, AW274078, AL431513, AL1376239, AW089016, AA225890, AA503298, AA664604, AW162047, AW162303, AA557945, AL014843, AA947375, AW270258, AW078909, AW193493, AW302315, AA609834, AA947265, AW341955, AW089950, AA657374, AL439910, AA478602, AW190484, AL865196, AA489390, AL243793, AA669234, AL610737, AL039187, AW243793, AA483606, AL572680, AL371208, AA299589, AL292317, AL565126, AA405726, AA570740, AA652834, AA492105, AA805848, T74524, AA287570, AL473671, AA720732, AW068008, AW068007, AA255853, AA568204, AL654738, AA469230, AA487475, AA608520, AL039089, AL049869, AC002316, M87914, AC007371, AC004491, AC004084, U47924, AC005089, AC006597, AC002996, AC006509, AP000689, AC007536, AC007637, S42653, Z86090, AL080243, AC005632, AL049776, AF196969, AC006948, AC004890, AP000704, AL096791, AL031848, AL049636, AL022326, AC007358, AP000688, AC005037, AC002543, AL031005, AC003098, AL035587, AF047825, AL096712, AL133396, AC004455, AL121653, AC002038, AC000087, AC005696, AD000092, AL049830, AL031776, AL024498, L24093, AC004796, AL022322, AC005837, AL049570, AC005800, AC009510, U07561, AL096701, AC005913, AL117258, AF205588, AL035403, AF001549, D87675, AP000252, AP000065, AP000556, AL034418, AL035088, AC003663, Z83844, AC006064, AC002312, AL023807, AL049692, AL133500, AC005081, AC005365, Z98200, AC006511, AP000134, AP000212,

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HEONQ81	2139	792074	1 - 283	15 - 297	AW392300.
HEONP93	2140	792377	1 - 368	15 - 382	AL378653, and H97239.
HEONQ08	2141	959556	1 - 699	15 - 713	AA532915.
HEONQ19	2142	930705	1 - 897	15 - 911	AI625739, AW272001, AI435829, AA147072, AI609268, N91272, AA147105, AA834526, W27700, AA126003, AA602530, AA398168, AW294288, AW004619, AI202250, AL119565, AB007884, and AI250425.
HEONQ58	2143	965881	1 - 506	15 - 520	AA683299, and AC005075.
HEONQ65	2144	967588	1 - 340	15 - 354	
HEONQ69	2145	556544	1 - 355	15 - 369	
HEONU26	2146	577429	1 - 491	15 - 505	AA845825, AA503018, AI862790, AI240919, AI246061, AI792537, AI270853, AI252826, AI254046, AI251643, AI435754, AW086343, AI224728, AW301997, N29930, AI271005, AI249565, AI254826, AW271081, AI224422, AI251312, AI252060, AW302086, AI254783, AI307025, AI472990, AI254056, AI254683, AI252493, AI284764, AI224311, AW086227, AI435696, AI053574, AW167330, AI362442, AI682310, AI884861, AA857812, AA862014, AA340153, AI864500, AA468494, AI255060, AW271137, AI252996, AW302016, AA678616, AA662905, AI683019, AI289050, AA076473, AA728911, AI085095, AI284092,

AA364150, AI499941, AI185394, AI472782, AI419337, AI361090, AA633565, AA084950, AA935380, T34558, AL119563, AA484892, AI421950, AW026305, AI054090, AI690335, AA486352, AW054936, AA468956, AI249853, AI284543, AI254770, AI798242, AI251944, AI251034, AI251203, AI251284, N76555, AI250552, AI279417, AA665304, AI570805, AW021007, AI049534, AA741301, AI138065, AA579399, AW192518, AW078821, H39839, AW408767, AW390284, AI347665, AA644223, AA599749, AA581498, AI472736, AW265688, AI355246, AW328370, AA224525, AW440568, H86579, AA678932, H25626, F09355, AW081610, AA345594, N67313, AW342143, AA757426, AA610713, AI803741, H93152, AI89995, AA773881, AI538236, AA126814, AI671077, AI251241, AI678476, N75708, N25079, AA018923, AI065043, AA012829, AA244181, AI223626, AA197019, AA610775, AI591134, AA558366, AW019964, AW079667, AW303098, R35259, AI890753, AI343669, AI309121, W44359, F17537, T08386, AI863246, AA618240, AA678622, AA610255, N70449, AI791718, HI0454, AI860535, AA748071, AI285493, AA916430, AI312090, AL044488, AI312784, AL133906, AL133902, AI866996, AA426451, AI889426, AI520967, AI760700, AA572983, AI376197, AI567941, AA019542, AI679759, AI205783, AI523865, AI114653, AA714955, AA053463, AI889579, AI524957, AA632988, AA295893, AW087226, AA501441, AI559282, AI270442, AA083681, AC006010, AC005274, AC005004, AC007738, Z84466, AC004933, AL034549, U80017, AC005539, AF124730, AL031387, AC004111, AB014077, AC004209, AP000513, AL022578, Z92540, AC009399, AC002432, AF001549, AC004787, AC004531, AC007899, AC007462, Z84469, AP000281, AC002066, AC003695, AP000260, AC005031, AI133269, AL049611, AC005886, AL031651, AP000039, AP000099, AC005377, AP000036, AC005696, AC006501, AC004000, AP000046, AP000114, Z73496, Z96074, AF017104, AC002480, AL031177, AC005728, AL049591, AL022162, AC002531, AC002377, AL133246, Z94056, AF095901, AL031589, AL022394, AL024508, AC004999, AC010206, AF067844, AL132987, AC005740, AC006080, Z98946, AL035530, AC002538, AF217403, AL049650, AL022337, AC005071, AC002559, AP000688, AL035696, AC007253, AC005822, AL031230, AL008729, AL078593, AC011625, AL049176, AL035652, AC009330, AL034553, AC001231, AC005969, AL050350, AC005344, AC008119, AP000113, AP000045, AL049779, AC007546, AL035400, AC009542, AC008498, AL078581, AC004811, AC005295, AC006459, AC005323, AC004253, AC006367, AC004808, AC006443, AC007228, AL078584, D87009, AL024474, AC007016, AC002352, AC006552, U91325, AC006000, AC005609, Z99570, AL049569, AC005099, AC007298, AC004694, Z98751, Z68273, AC004552, AC007386, AP000506, AC005058, AC004950, AC004584, AF191071, AL033381, AC004228, AC008928, AL117356, AF123462, AB000882, AC004831, AL109865, AC007240, AC006013, AC003003, AF003528, AL035089, AC005826, Z97054, AL049760, AC006379, AL022165, AC005725, AC002070, AC006450, AF031076, AC004072, AL133321, AF031075, AL117258, U96629, AF139813, AL135879, AL121790, AF064858, U91321, Z98884, AL031595, AC005304, AC005017,

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HEONU75	2147	851054	1 - 215	15 - 229	
HEONV59	2148	949152	1 - 376	15 - 390	
HEONW15	2149	575812	1 - 379	15 - 393	
HEONX19	2150	668740	1 - 363	15 - 377	
HEONX49	2151	485897	1 - 480	15 - 494	
HEOOB36	2152	830013	1 - 363	15 - 377	
HEOOD03	2153	923505	1 - 502	15 - 516	AA404360, AW148964, AI290157, AA809125, AI433952, AA569565, T94858, AA601376, AI224583, AA428270, AA255832, AA855570, AW006124, AA831350, AA811673, AI133355, AA927531, AL036896, AA484699, AA018488, AA174108, AI457605, AA669458, AW419201, N76712, AI889236, AA491941, AI254463, N71264, AI252005, AA533977, AW403177, AA493464, AI097211, AI254267, AW088928, AA666172, T73227, AL044758, AA533066, AA225645, AA947997, AA533660, AI869406, AA493546, AA516061, AI572680, AI744890, AA130350, AI926104, AI125192, AL044966, AA199578, T49381, AW379889, R07303, AI271873, AI912307, AI610814, AL079508, AA359725, T07954, AA165504, AA484321, AA779599, AI978902, AP000563, AP000211, AP000133, AC003041, AB003151, AC005280, L78833, AC005484, AC006597, AC005182, AC004771, Z95704, AL049636, AC005099, AL022318, AL109627, AL117339, AL022320, AC005562, AC005839, AL031311, AC006511, U91321, AC005632, AC004150, AP000213, AF064861, AC006026, AP000135, AC003072, AC004913, AL049869, AC007546, AC000052, AP000031, AL031846, Z84476, AC007030, Z98949, AC002310, AL096701, AF165926, AC006211, AL031282, AF111169, U91327, Z84474, AC004542, AL035696, AC004876, Z86090, Z83844, AC004967, AC002477, AC007421, Z83840, AL035587, AL034343, AC020663, AC000353, AC005209, AC005037, Z93241, AC007666, Z97054, AL109623, AC004983, AC006166, AL031662, AL078639, AC007226, AL031730, AC009516, AC005971, AC008372, AC005291, AC007277, AC007686, AC005014, AC004895, AC007707, AC004019, AC005529, AF207550, AC007376, AC006120, AL096791, AC002351, AC003950, AC005049, AC007055, AC008044, AC005089, AP000354, AL139054, AC005779, AP000692, Z15025, AC004797, AC006162, AC005399, AC007364, AC003982, AC005694, Z93017, AC004882, AB023051, AP000116, AC002350, AL033392, Z98941, AC004084, U91326, AC005358, AC003688, AC007263, AC004765, AL050341, AL035413, AP000689, AC004910, Z95703, AL034402, AL117337, AC005519, AC008134, AC004890, AL078581, AC003006,

					AC006960, AF118808, AF196779, AC005618, AP000114, AP000046, Z98051, AC006277, AL008725, Y18000, AC006285, AL133448, AC007204, AC004447, Z82171, AC008067, AC003030, AC002369, AL024509, AL031281, AC007919, AC003969, AL080243, AC004653, AF045555, AL034548, AP000030, Z82206, AC005531, D83253, AP000099, AL035660, AP000008, AP000512, AL034417, Z82190, AC002996, AC005730, AL008582, AC004859, AL031591, AC004878, U91323, AC006449, AL133445, AL121603, Z81369, AC005736, AC006312, AC005625, AC006509, AL121578, AL133432, AL122020, AP000036, AP000253, AL031666, AL049759, AL031427, AC003007, AC005755, AI003147, AC006581, and AC006396.
HEOD59	2154	738991	1 - 397	15 - 411	
HEODV40	2155	710800	1 - 357	15 - 371	
HEOPE28	2156	926837	1 - 589	15 - 603	AA286964, AI568687, AI680899, AA809497, AA746098, AA287967, AW452688, AA814524, AW130037, and AB028989
HEOPE58	2157	851009	1 - 463	15 - 477	AL078634, AP000117, AP000194, AP000313, and AP000050.
HEOPF03	2158	839868	1 - 530	15 - 544	AC004954.
HEOPF18	2159	918405	1 - 407	15 - 421	
HEOPF25	2160	934171	1 - 510	15 - 524	
HEOPF33	2161	969695	1 - 406	15 - 420	AA810065, AW205048, and AC003959.
HEOPF56	2162	850925	1 - 687	15 - 701	U81192, AP000325, AP000054, AP000122, and AP000169.
HEOPG01	2163	915047	1 - 476	15 - 490	AL031667.
HEOPI69	2164	883161	1 - 580	15 - 594	
HEOPI73	2165	850936	1 - 597	15 - 611	AL121760.
HEOPI41	2166	855634	1 - 536	15 - 550	N91672, AC008122, AP000558, AC009516, U91318, AB020864, AP000555, AF003626, AP000501, AL049779, AP000553, and AL031984.
HEOPK43	2167	930942	1 - 649	15 - 663	
HEOPK47	2168	966327	1 - 699	15 - 713	AC006987.
HEOPK52	2169	883170	1 - 475	15 - 489	AC005913.
HEOPK90	2170	850883	1 - 624	15 - 638	
HEOPN73	2171	851002	1 - 504	15 - 518	
HEOPN78	2172	918205	1 - 314	15 - 328	
HEOPN95	2173	973440	1 - 732	15 - 746	Z99396, AW392670, AW372827, AW384394, AW363220, AL119497, AL119355, AL119457, AL119319, AL119483, AL119324, AL119443, U46341, AL119484, AL119391, U46349, AL119522, AL119363, U46350, AL036418, AL038837, U46351, AL119341, AL119335, AL119418, AL037051, AL036725, AA631969, AL119396, AL119496, AL036858, AL037205, U46347, AL119444, AL043029, AL042984, AL119439, AL119401, U46346, AL042614, AL039074, AL036924, AI142132, AL134525, AL134538, AL042544, AI142137, AL042965, AL042975, AL134902, AL119399, AL134536, U46345, AL043019, AL043039, AL043033,

HEOP008	2174	958184	1 - 422	15 - 436	AL042551, AL038509, AL119464, AL042450, AL043011, AL042542, AL037094, AL037085, AL037526, AL036196, AL043003, AL036268, AL037639, AL036190, AL037082, AL038520, AL036767, AL037077, AL036774, AL036998, AL038851, AL038447, AL036238, AL036733, AL036719, AL037178, AL037027, AL037615, AL036679, AL036765, AL036191, AR066494, AR060234, A81671, AR023813, AR064707, AR054110, AB026436, and AR069079.
HEOPP30	2175	850916	1 - 418	15 - 432	R93882, R99079, AA846981, N70425, AL271762, AA563770, AC007225, AC004019, AC006121, AC000052, AL031427, AC007279, AP000690, U95740, U73167, U90094, AC006071, AL049569, Z77852, AP000151, AC005484, AC005014, AC008154, AC005539, AC002565, AC002314, AC003665, U80017, AC004084, AC007993, AC007731, AL008718, AC005500, AC004491, AF001550, AC005081, AC005932, AC000159, AC000134, AC005952, AC020663, AL121653, AC005535, AC005844, AL049793, AC004851, AF205588, AF196969, AP000513, AC006084, AL133244, AB023049, AC006146, AP000115, AC004820, L78833, AC005295, AC006449, AC004686, AL031846, AF196970, AC005046, Z99716, AC006111, AL031255, AF042484, AC007226, AC006487, AF045555, AC005829, AC004910, Z85996, AC005920, AC003101, AC005921, AC002059, AL008582, AC005412, AP000694, AC005049, AP000689, AL109753, AC005527, AC004900, AC004797, and AC004999.
HEOPQ06	2176	934147	1 - 637	15 - 651	AA631942, AL086196, AC005590, AC004224, AL022330, AL096678, AC004032, AC004645, and AC006237.
HEOPW04	2177	850948	1 - 721	15 - 735	AC005189.
HEOPW38	2178	926764	1 - 520	15 - 534	
HEOPW67	2179	840050	1 - 542	15 - 556	
HEOPX85	2180	855625	1 - 200	15 - 214	AI889579, AI160786, F35684, AI355246, AW019964, AA736485, AA805014, T50676, H69992, AA837771, AA256107, AA077619, H60313, AW020198, AW373604, R67701, T83057, AA668905, AW247338, F19643, T62078, AA600132, AA634242, AA487226, AI915081, AA214457, AA354324, Z92546, AP000353, Z95979, AC004882, AC005529, AP000115, AC002077, AP000086, AC006211, AC006120, AC005018, AL009182, AC005620, AL009029, AC006084, U62317, AC004820, AC007225, AC006530, AC004701, AC005881, AC004815, AL031595, AL031984, AC005519, AC005094, AC004663, Z82179, AC002988, AC005255, AL121603, AC004859, AL035405, AC005559, U47924, AC005740, AL035086, AC003692, AP000312, AP000193, AP000050, AP000117, AF001549, U52111, AL035703, AC0055412, U91321, AL121658, AC004659, AL031587, Z98946, AC007388, AC006111, AC004762, AL049553, AC005031, AC000079, AL109963, AL022398, Z84487, AC000068, AL022334, AL008635, AC005532, AC006011, AC005046, AP000510, AC007057, U62293, AC005057, AF196972, AC005666, AL109827, AC007308, U80017, AC002470, AC005921, AP000688, AB026899, Z93244, AC007425, AC004216, U95743, AC005257, AF047825, AC005488, AC004675, AF207550, U89335, AL049434, Z98051, AP000221, AP000085, AL049795,

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HEOPY05	2181	918438	1 - 494	15 - 508		
HEOPZ02	2182	918407	1 - 493	15 - 507		AW392670, AW363220, AL042614, AW372827, AW384394, AL119444, Z99396, AL119443, AL119341, AL119319, AL119457, AL119497, AL119324, AL119483, AL037205, U46351, AL119355, U46349, AL119484, AL119363, AL119391, AL119418, AL119335, U46350, U46347, AL134524, AL134902, AL042978, AL119396, U46346, AL119522, U46341, AL042965, AL042975, AL042984, AL119401, AL134525, AL119496, AL119439, AL142132, AL043019, AL134920, AL119399, AL042433, U46345, AL042896, AL042450, AL043029, AL134536, AL134538, AL042544, AL042970, AL142131, AL042542, AL042551, AL119464, AL043003, AL119488, Z99572, AR066494, A81671, AR060234, AR054110, AB026436, AR069079, and AR043113.
HEOPZ05	2183	928257	1 - 166	15 - 180		AW090604, and LU1057.
HEOPZ11	2184	965970	1 - 462	15 - 476		
HEOPZ29	2185	878503	1 - 381	15 - 395		AA347231.
HEOQB30	2186	909899	1 - 658	15 - 672		AA280922, AA090210, AL264291, AW148672, AA769639, and D29642.
HEOQC10	2187	963398	1 - 386	15 - 400		AA837771, AA573000, AA768179, AA635433, AA993165, AA664248, D51877, AA385775, AA302660, AW419389, AA515172, AA527109, AA568314, T07285, AL521042, T17135, AA078137, AL246061, AA078184, AA714073, H85587, AA610374, AA668148, AL244985, AA743968, R61195, AA720582, AL743129, AA832124, AA371410, H27788, AW089950, AA662629, R87135, AL572680, AL223968, AA348271, AW105463, AL044793, AW341882, AL653783, AL761566, AA078509, AA658853, W39287, AP000115, AC004859, AL031781, AC005071, AL031133, AC005037, AC005004, AF001549, AC005722, AP000355, AL133445, AL021391, AF047825, AL031985, AC004587, AC005300, AC005193, AP000212, AP000134,

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HEQC-76	2189	909032	1 - 645	15 - 659	<p> AL619994, H10577, AW148775, AA862029, AA662615, A1457313, A1733717, AA559166, A1271762, A1431513, A1633386, A1249688, AA599423, W81372, AW302670, AW408596, AA460692, T94394, R64640, F04252, AA515351, AA610255, AW028950, F30158, A1345334, AA715962, AA015948, Z98474, T51556, AL037533, A1889579, A1555246, AW020891, A1758799, F31811, AA297496, AA664126, A1190648, H40478, AA358178, AA653713, AL078474, AL109963, AL110122, AL049833, AC008101, AC008079, AP000466, AF196969, AL109865, AC006084, AC006196, AF111168, AC007201, AL049829, A1004799, AC004820, AC004000, AC002347, AC002385, AC005837, M87912, AC008975, AC004150, AL049539, AL049696, AL050327, AL049776, AC007225, Z68129, AC004499, U52111, AL021453, AC005509, AP000022, AP000163, AC004217, AL023095, AL049563, D86992, D88270, AC004587, AC008062, AC007637, AC016025, AL008635, AB017653, AC005559, AC005581, AC006398, AC005393, AC003109, AC005018, AF019406, AL050341, AL109983, AP000689, AB003151, AC002429, AC007012, AL022334, AC006476, Z84469, AC002477, AP000299, AL035086, AF039907, AC005156, Z83844, AC005411, AL109627, AC006979, Z93244, AC008085, AC006121, AC005871, AL049569, AP000501, AC006430, AC004598, AC005193, AL031680, AC003051, AC003665, AC005859, AL117356, AC005228, AC004551, AC002070, Z49769, AC005566, AL050306, A1246003, AC006511, AC005516, AC002368, AC004913, AL008707, AB006136, AL022328, AL035681, AC005828, AF037338, AP001063, AL022313, AL035088, AL117355, AC005972, AC005747, I34294, M87889, Z82217, AC004257, AC002369, AC005912, AP000692, AC004797, Z82176, AC005702, AC004262, L47234, AC003002, AL022399, AP001053, AC002302, AC006141, AF047825, Z96074, AC004494, AC005225, AC006531, AL022721, AP000065, Z84466, AF027390, AL009183, AC002453, AL034420, AL021920, AL109653, Z85996, AC005539, AC004596, AC002059, AL021546, AC005261, Z49235, AL008637, AL035682, AL049697, AC005034, AC007786, AP000557, AL031848, AP000113, AP000045, AC004611, AC002128, AC006137, AC007279, AC009247, AP000350, AL022323, Z49236, AL022329, AL109977, AC005412, AC007676, A1131341, L31565, AL096818, AF176815, U82668, AL035090, AL035079, AP000031, AC005821, AL133553, AL050320, U10087, Y12508, AL022333, AC006537, AC002116, AC005783, AC004961, U78027, AL035422, AL031904, AL121603, AL049636, AL035405, AP000503, AC006011, AL035413, AC000075, AC000084, AC002491, AC002056, AL031730, AC002554, AC007537, AL022318, Z85994, AL079340, AC005737, AL049839, AL078603, AB018295, AC007059, AC003963, Z98885, AC005800, AL109839, AB004907, AL034451, AF129756, AC004597, AL031662, AC005015, AL022326, AL079342, AL049743, AC004703, Z77852, AC005291, AC006133, AC003048, Z97876, AL035551, AL049814, AB001523, AC005914, Z84487, AL050325, AC022517, AC004832, AC006928, AC005726, AL021391, AF134726, AC002558, AF030453, Z98752, AC002306, AC004106, AC005256, and AF038458. AA279563, and AA490433. </p>
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HEOQE04	2190	922876	1 - 480	15 - 494	AA381451
HEOQF77	2191	850974	1 - 403	15 - 417	AA714278, AA827817, AA483603, AL032875, R44616, AL036300, AL243933, AA135806, AP04051, AL008630, AC002352, AC004893, AC002115, AC002045, AC005089, AC005756, AC005952, AL031273, AL020997, AL031311, AC005067, AP000313, AP000194, AP000050, AC011504, AF001548, AP000117, AC005488, AC004491, AF053356, AC004659, AC004834, AC002364, AL096775, AC000113, AC005551, AC005081, AC005086, AL031686, AC003666, U63313, AC004897, AL117694, AC004382, AC000082, AC004883, AC005792, AL049539, AC004905, AP000032, AC002425, AC005479, AL035088, AC002070, U91323, Z97055, AL033517, AF003529, AC005049, U96629, AC003101, AC000070, AC005620, AC002527, AF196972, AP000355, AC009288, J03764, AP000013, AP000154, AC005015, AC004653, AC002302, AC000091, AC002310, AF030453, AC005088, AC007207, AC004841, AF184614, AC002522, AC004602, AC000095, AC004528, AF024533, AL035073, AC005841, AP000008, AC005800, AL049745, AC002992, AC002312, and AC022517.
HEOQG73	2192	958109	1 - 584	15 - 598	R95051, AA491864, AL745457, AC004770, AC004228, AC002470, AC005550, AL031670, AF053356, AC000092, AC005527, Z85986, AC000134, AC005529, AP000555, AP000885, AL034429, AC004530, and AL008709.
HEOQG80	2193	850971	1 - 448	15 - 462	AL688365, AL132777, AL031651, AF111168, AC002115, AC002381, and Z68323.
HEOQH81	2194	934100	1 - 597	15 - 611	AA708108, AA504896, AA811208, AL590941, AA486226, AC004883, AC005529, AC005015, AC005527, AC002470, AC002375, AC004895, AC005971, AC004598, AL031286, AC007537, AC000025, U82671, AC007216, AF001549, AL009181, AL035458, AC005081, AC002316, AC004974, Z69917, AP000298, AC005690, AC005277, AL078587, AL109627, AC005538, AC004531, AF039907, AL031668, AC000134, AP000701, AL049757, Z82182, AC005274, AC005011, AL049869, AC006017, AP000354, AC003684, AL008718, AC009516, U78027, AP000044, AP000112, AL021368, AL035413, AL031311, AL035422, AL031295, AC005377, AL031428, AC009731, AC004858, and AC007308.
HEOQI11	2195	965973	1 - 587	15 - 601	AA533768, AL820985, AA620562, AL720732, AW404354, AA088727, AW082470, AA984114, AL590906, AW089604, AC006036, AC005548, AC005972, AL031662, AC004185, AP000509, AC004024, AF017104, AF141309, AP000563, AL049845, AP000210, AP000132, AC004522, AF129756, AC008009, AC006211, AC000062, M64231, AP000348, AC006504, AL050343, AC002477, AC004087, Z74739, AL023494, AC007684, AC003043, Y14768, AC004874, AP000505, D84394, AF165926, AC007102, AC008063, AC007639, AC004491, AC004887, AF196972, AC004253, AC005484, AC004787, AC016831, AP000503, AL133312, AF134726, AL035667, and AL121653.
HEOQJ11	2196	879559	1 - 552	15 - 566	AC002536, and AB029488.
HEOQK70	2197	934370	1 - 601	15 - 615	AL383451, AL119484, AW392670, AL119439, AL134530, AL134519, AW372827, AL119391, AW363220, AL119319, U46347, AW384394, AL119457, Z99396, AL119324, AL119522, AL119363, AL119355, AL119497, AL134528, U46351, AL119341, U46350, AL119396,

HEOQK72	2198	847285	1 - 147	15 - 161	<p>AL119483, AL119443, U46349, AL119444, AL134525, AL134524, AL134527, AL134531, AL134536, AL134538, U46341, AL037205, AL134902, AL134518, AL119496, AL119335, AL119401, AL119418, AL042544, AL042614, U46346, AL142137, AL142132, AL119399, U46345, AL043019, AL031666, AR066494, AR060234, A81671, AR069079, AB026436, AR054110, and AR043113</p> <p>AL045891, AL135012, AL134524, AL043089, AL045327, AL043321, AL042488, AL042655, AL046356, AL432644, AL047163, AL431307, AL047611, AL042898, AL042515, AL045328, AL041862, AL042508, AL431316, AL432666, AL042853, AL042729, AL042931, AL040207, AL042787, AL043091, AL623302, AL043239, AL431238, AL047675, AL042533, AL866786, U46344, AL690946, AW151136, AL539771, AL537677, AL494201, AL500659, AL866465, AL815232, AL801325, AL500523, AL538850, AL887775, AL582932, AL923989, AL284517, AL872423, AL590043, AL648567, AL500706, AL445237, AL491776, AW151138, AL521560, AL889189, AL500662, AL582912, AL284509, AW172723, AL539800, AL440263, AL889168, AL538885, AL866573, AL633493, AL434256, AL866469, AL805769, AL434242, AL888661, AL284513, AL500714, AL888118, AL285439, AL436429, AL859991, AL889147, AL355779, AL623736, AL371228, AL581033, AL440252, AL491710, AL610557, AL860003, AL242736, AL828574, AL887499, AL539781, AL539707, AL702065, AL885949, AL042420, AW089557, AL59957, AL521571, AL042802, AL469775, AL866581, AL815150, AL567953, AL464695, AL433157, AL047092, AL890907, AL561170, AL927233, AL432656, AL043166, AW151979, AL042745, AL285419, AL554821, AL042741, AL432653, AL431323, AL431321, AL431315, AL371251, AL039390, AL866510, AW081103, AL289791, AL866461, AL923046, AL690948, AL045620, AL047037, AL042523, AL521596, AL440238, AL046681, AL499581, AL539863, AL079977, AL366900, AL866820, AW197139, AL923061, AL275175, AL045500, AL042551, AL582926, AW058275, AL499463, AL610362, AL119748, AL434222, AL440239, AL042744, AL274759, AL537273, AL436456, AL371265, AL963846, AL567940, AL610357, AL817244, AL612913, AL285826, AL863014, AL355765, AL521594, AL499512, AL433976, AL042365, AL889133, AL538881, AL048403, AL288281, AL039276, AL282268, AW087954, AL355017, AL434255, AL047422, AL043278, AL434223, AL285432, AL697243, AL671642, AL610429, AL628850, AL433968, AL476086, AL537187, AL433155, AL042944, AL045163, AL539632, AL889148, AW118237, AL439995, AL539847, AL521465, AL828583, AL042538, AL872300, AL554827, AL863357, AW172745, AL354998, AL863197, AL567944, AL042865, AL567935, AL805762, AL610426, AL043295, AL867068, AW080700, AL046990, AL355008, AL431246, AL271234, AL042572, AL610402, AL567971, AL042377, AL042557, AL538878, AL888665, AL432654, AL366910, AL049859, AL432650, AL866457, AL499555, AL042842, AL567954, AL537191, AL866491, AL654276, AL567993, AL499915, AL499508, AL817373, AL872315, AL048390, AL273179, AL284515, AL031667, AL133053, AL122101, AL133049, AL133074, AL133076, Y10655, AL137267, AL122049, A85203, AR034821, Y17793, AF113694, AL049423,</p>
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HEOQM83	2199	850964	1 - 588	15 - 602	AL133655, U30290, E13998, AL050280, AL049464, M30514, L31396, U68387, L31397, AL133084, AL133070, AL110159, S61953, AL133082, AL050146, AL122093, AL133072, AL122110, AL133080, AL133081, AL133077, AF081195, E07361, AF002985, U58996, AL133607, AL133644, AL133015, AL133608, AF161699, AR055519, Y07915, I80064, AL049300, and AR066494.
HEOQN06	2200	934202	1 - 759	15 - 773	AA341080, AW249300, AW392934, AA773513, AA176554, W93722, AI597867, AC006252, Y17169, and AL136773.
HEOQN15	2201	864110	1 - 211	15 - 225	AA774831.
HEOQN87	2202	850957	1 - 454	15 - 468	AA680243, AI732120, AA453558, AW406162, AA938105, AA679936, T40452, AA601908, AA806796, AA205915, AA774222, AL121235, AA347241, AL046457, D82290, AA496508, D82542, AA836811, AL048125, AI110760, AI924251, AA524821, AA309841, AL079869, AA533303, R70821, AI799545, N23649, T74382, AI093030, AI133297, AA508359, AA483223, AI038990, AW075511, H71429, AA722372, AI816537, AA747777, AW245747, AA846952, T07249, AL036037, AW438555, AI284640, AA587604, AA605272, AW248847, AA502104, AI754955, AA580808, AI270117, AW023990, AA584167, N27329, AA702729, AA632868, AA496260, AA652057, AA324849, AA837655, AI274692, AA613232, AW303196, AW274349, AL038705, AA224525, AA214342, AW301350, AA992351, AI583283, AI334443, AW419262, AI370074, AA503015, AL041706, AI431303, AW193265, AL046205, AL041690, AI350211, AW072923, AA584581, AA192740, AW302013, AI631119, AA178953, AA810269, AI744826, AA634889, AA613227, AA632612, AA720702, AW128900, AW128884, AW088224, AL046409, AI370094, AI364020, C06151, AA613203, AI364026, AA658362, AA834713, AI281881, AA614070, AA828712, AA568341, AW301302, AI572924, AW088058, AW021583, AA526787, R95139, AA618412, AL044940, AI499938, AA493621, AA568862, AI819574, AA847499, AI473475, AA478355, AW438643, AW276435, AI432270, AI919265, AA834755, AA490183, AW022406, AA513136, AI537506, AI053672, AW274346, AW245325, AA493136, AA847952, AA515440, AW270382, AA649604, AA804962, AW410400, AA367986, AA483771, AA856954, AA366312, AL119691, AW021207, T41247, AP001038, U07562, AC002301, AC0004690, Z98036, AF109907, AF196779, AL023494, AC005324, AL049776, AC009516, AC007686, AL035587, AL031846, AC004858, AC005406, AF088219, AL027298, AL022476, AC004854, AC007243, D87675, AC006359, AP000352, AL050321, AL034420, AC005231, AC008072, AC005274, AL096769, AP000088, AC004675, AP000240, Z86090, AC004517, AL035681, Z98884, AP000553, AL008718, AC002365, AC003085, AC005725, AL117258, AC000358, AC006285, AC007136, AL022329, U96629, AC007051, AC000353, AC006965, AC004671, AC005763, AC0006486, Z92845, AC008372, AL020995, AC007955, AC002418, AC007688, AC004848, AC004386, AL031584, AC007283, AL049829, AL049832, AC004019, AC003035, AC002119, AC007041, AC005907, AL122020, AL034548, AC006275, AL121603, AC000052, AC009069,

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HEOQP44	2203	942596	1 - 1810	15 - 1824	AL042026, AL040542, AL042640, AL042540, AL046135, AL041808, AL044178, AL044364, AL043613, AL044413, AL043840, AL042334, AL043585, AL044583, AL044354, AL041936, AL039459, AL039576, AL040947, AL046244, AL043201, AL043604, AL039472, AL046383, AL043218, AL039689, AL044015, AL044350, AL039550, AL043425, AL042346, AL043424, D11960, AL045991, AL079876, AW450335, AL044377, AL042700, AL043468, AW297822, AL043795, AL546832, AL043128, AL044029, AL042245, AL044771, AL042712, AL036650, AL043867, AL049007, AL036630, N84802, T23658, AL039924, AL046097, AL040414, AL044412, AL040571, AL046994, AR035193, A13393, A49045, A58522, A58523, A58524, A58525, A64973, A82653, A83151, A83642, A83643, A84772, A84773, A84774, A84775, A84776, A86792, A93963, A93964, A95052, AR017907, AR027100, AR067731, AR067732, E12615, E16636, I28266, I44516, A17115, A18079, A27396, A98767, AR028564, I63120, A02710, A02712, A07700, A13392, A22413, A25909, A60955, A68104, A68112, A76773, A91750, A93016, AR009151, AR009152, AR037157, AR054109, E14304, E16678, I19516, I21869, AR068550, AR068551, A02228, A13388, A18050, A18053, A23334, A23633, A23998, A24782, A24783, A38214, A44171, A48774, A48775, A49700, A58521, A58998, A60111,

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HEOQS11	2204	965930	1 - 310	15 - 324	
HEOQT57	2205	850931	1 - 644	15 - 658	Z99396, AW392670, AL036418, AL038837, AW384394, AL037051, AL036725, AW363220, AA631969, AW372827, AL036858, AL119497, AL039074, AL119324, AL119443, U46350, AL036924, AL119319, AL119457, U46341, AL119396, AL119483, AL119484, AL119363, AL119341, AL119391, AL119335, AL119355, AL038509, AL119522, AL039564, AL039085, U46349, AL039156, U46351, AL039108, AL039109, AL039128, AL119496, U46347, AL037639, AL037094, AL119418, AL039659, AL119399, AL037085, AL037526, AL119444, AL036196, AL036190, U46346, AL079683, AL042614, AL037205, AL038531, AL119439, AL119488, AL036268, AL036767, AL038520, AL037082, AL042965, AL042975, U46345, AL134533, AL134528, AL039625, AL039648, AL045337, AL042984, AL036238, AL042551, AL134527, AL134538, AL042450, AL042909, AL037077, AL038447, AL042970, AL039678, AL039629, AL039386, AL042542, AL042544, AL043019, AL043029, AL037615, AL038851, AL043003, AL119511, AL036998, AL036733, AL037027, AL037178, AL036719, AL119464, AL036774, AL036765, AL039410, AL037021, AL036679, AL036191, AL036886, AR060234, AR066494, A81671, AR023813, AR064707, AR069079, AR054110, AR043113, and AB026436.
HEOQT76	2206	850932	1 - 658	15 - 672	Z99396, AW392670, AL119497, AL036418, AL038837, AL119457, AL037051, AL036725, AW372827, AW384394, AA631969, AW363220, AL036858, AL119391, AL039074, AL119443, AL119319, AL119335, U46346, AL119324, AL036924, AL119363, AL119496, U46350, U46341, AL119341, AL119483, AL119484, AL119355, AL119522, U46351, AL038509, AL119522, AL039564, AL039085, U46349, AL039156, U46351, AL039108, AL039109, AL039128, AL119496, U46347, AL037639, AL037094, AL119418, AL039659, AL119399, AL037085, AL037526, AL119444, AL036196, AL036190, U46346, AL079683, AL042614, AL037205, AL038531, AL119439, AL119488, AL036268, AL036767, AL038520, AL037082, AL042965, AL042975, U46345, AL134533, AL134528, AL039625, AL039648, AL045337, AL042984, AL036238, AL042551, AL134527, AL134538, AL042450, AL042909, AL037077, AL038447, AL042970, AL039678, AL039629, AL039386, AL042542, AL042544, AL043019, AL043029, AL037615, AL038851, AL043003, AL119511, AL036998, AL036733, AL037027, AL037178, AL036719, AL119464, AL036774, AL036765, AL039410, AL037021, AL036679, AL036191, AL036886, AR060234, AR066494, A81671, AR023813, AR064707, AR069079, AR054110, AR043113, and AB026436.

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HEOQW56	2207	883227	1 - 212	15 - 226	
HEOQW81	2208	887147	1 - 1046	15 - 1060	
HEORC12	2209	969585	1 - 432	15 - 446	
HEORC48	2210	922885	1 - 800	15 - 814	
HEORE11	2211	965904	1 - 746	15 - 760	
					T91937, T99157, T96469, AW082364, AL268419, AL690257, and AB007861.
					R93208, Z99396, AW392670, AL036418, AL038837, AW372827, AW384394, AL037051, AL036725, AL119497, AL119319, AW363220, AL119457, AA631969, AL119324, AL119483, AL119484, AL119391, AL119443, U46350, AL119522, AL119363, AL038509, U46351, AL036858, U46341, AL119355, AL039074, AL119418, U46349, AL119341, AL119335, AL036924, AL119496, AL119396, U46347, AL119399, AL119444, AL037205, AL119439, AL042965, AL037639, AL134531, AL039564, AL134538, AL039085, AL037094, AL119401, AL039156, AL037082, AL039108, U46346, AL039109, AL037526, AL039128, AL036196, AL134533, AL134536, AL042614, AL043029, AL134920, AL042975, AL042544, AL042984, AL037615, AL036767, AL134532, AL038447, U46345, AL037085, AL036190, AL042542, AL043019, AL037077, AL042551, AL038851, AL038531, AL043011, AL036268, AL042450, AL038520, AL043003, AL036998, AL036238, AL036733, AL037178, AL119464, AL036774, AL037021, AL036836, AL037027, AL036765, AL036719, AL036191, AL036679, AL036158, AL036886, AR066494, AR060234, A81671, AR023813, AR064707, AB026436, AR069079, and AR054110.
HEORE22	2212	969579	1 - 704	15 - 718	
HEORE27	2213	850902	1 - 636	15 - 650	
HEORE79	2214	959572	1 - 315	15 - 329	
HEORF12	2215	969580	1 - 530	15 - 544	
					Z99396, AW392670, AW372827, AW384394, U46349, AL119483, AL119497, AW363220, AL119319, AL119355, AL119457, AL119443, AL119324, U46341, AL119484, AL119363, AL119391, AL036418, AL038837, AL119341, U46350, AL119522, U46351, AL037051, AL036725, AA631969, AL119335, AL119396, AL042975, AL119496, AL036858, AL119418, U46347, AL119399, AL119444, AL134538, AL037205, AL039074, AL119439, U46346,

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HEORH20	2216	934067	1 - 417	15 - 431	AA460896, AA210943, H10636, W72144, A1799645, N27422, AA834765, AC007014, U63630, Z99774, AL031276, AL031584, AC002565, AC006449, AL023807, AL035413, AC007685, AL079342, AL031291, AL049539, AP000404, AC005045, AC005488, AC004674, AC002470, AL022721, AC007436, and AC000078.
HEOR190	2217	918166	1 - 250	15 - 264	
HEORK01	2218	914988	1 - 202	15 - 216	
HEORM10	2219	963194	1 - 411	15 - 425	Z85996.
HEORM21	2220	839142	1 - 422	15 - 436	AW376621, AW404049, AA045146, A1905741, AA309643, AA192275, R06391, U66685, T85620, and AA085953.
HEORR01	2221	915015	1 - 648	15 - 662	AI022223, AW179316, AI065031, AA640305, AA515165, A1744817, A1500151, T57562, A1623505, AA192366, AA209415, AW087537, AA369494, AA151880, A1340151, F17549, AA708889, AA489939, AA569631, D29424, AA730530, AA601376, AA224525, A1683079, AL048969, R86114, AW082432, A1925588, A1383589, AW405593, AA084946, AI198211, A1926909, AW275788, AA661583, AW247866, R42954, A1520984, AW021674, A1571847, AA557764, A1809745, AA578326, AA577824, A1567676, A1801563, A1702049, AW148821, A1002950, AA133568, F29968, AA180756, A121039, A133246, A1021154, AC007298, AP000348, AC006511, AC012627, U91326, AC004966, A121923, AC003665, AC005031, AC002300, AC007308, AC005200, AC006084, Z83819, U62317, A1050321, A109801, Z97054, AC004149, AL049872, AC005667, AC005089, A109613, AC006014, AC005215, AC005799, AC006312, Z83844, AC004019, AC007216, AC004650, AC005180, A1049539, AC006285, AC004765, AC005488, Z94801, AC000353, AC005003, AC005726, AC005746, AF053356, AL049869, A133448, AC002558, AC004257, AC005005, AC002077, AC006365, AC005015, AL031311, AC005531, AL024507, Z93241, Z98950, AC005519, A1008719, AC007192, AC004799, AC005940, AC006013, AC002091, AC005412, AC004638, AC005067, AC004477, AP000557, AC003957, AC012384, AC003101, AL021391, AC002377, AC008044, AC006449, AC007263, AL008637, AL078638, Z93017, AB025285, AL049636, AC003010, AC004999, AL022326, AC005332, AC005539, A1031295, AP000356, AF165926, AC002369, AC004699, AC006211, AC005527, AC002470, AP000555, AC005484, AC007688, AL080243, AL049631, AC005913, AL009181, AL035458, AC005971, AF001550, AP000688, AC009308, AC007919, U95742, AC007277, AC001231, AC007686, AB003151, AC004985, A121603, AC005695, AC007225, AC005755, Z97876, AF036405, Z81364, AC006455, AF031076, AC006251,

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HEORU06	2222	934097	1 - 494	15 - 508	AA282451, AL139796, Z99396, AW392670, AW384394, AW372827, AL119457, AL119396, AL119324, AL119341, AL036924, AL037094, AL037077, AL036196, AL037082, AL036767, AL036733, AL036191, AC004798, A81671, AR060234, and AR066494.
HEOSI66	2223	850917	1 - 523	15 - 537	
HEOSJ50	2224	922825	1 - 199	15 - 213	
HEOSL01	2225	914874	1 - 537	15 - 551	
HEOSL08	2226	850951	1 - 971	15 - 985	R93538
HEOSL54	2227	926849	1 - 639	15 - 653	AC007444.
HEOSN60	2228	841869	1 - 665	15 - 679	AC005393, and AC006133.
HEOSO01	2229	855651	1 - 432	15 - 446	AC003663.
HEOSP05	2230	928270	1 - 680	15 - 694	AL134528, AL134518, AL119363, AW372827, AL119439, U46341, AL119319, AL134524, AL119496, AL042965, AL119484, AL042970, AL134902, AL119443, AL134920, AL134533, U46346, AL134538, AL119391, AL119444, AL042850, AL119396, AL119320, AL119304, A81671, and AR069079.
HEOSP06	2231	933991	1 - 536	15 - 550	AA278249, AA482174, AA282390, AA488762, AA489734, AW392670, U46349, AL119319, AW372827, AW363220, AW384394, Z99396, AL119483, AL119355, AL119363, AL119457, AL119324, AL119443, U46351, AL119484, AL119391, AL119341, AL119444, AL119497, U46346, U46350, U46347, AL119522, AL119335, AL119396, AL119439, AL037205, AL134518, AL042975, AL042984, AL134902, AL119418, U46345, AL142137, AL134538, AL119496, AL042614, AL119399, AL042965, AL134527, AL134536, AL134528, AL134524, AL043029, AL142134, AL042544, AL043011, AL043019, AL043033, AL042450, AL042542, AL043003, AL119464, AL042551, AR060234, A81671, AR066494, AR054110, AB026436, and

HEOSR54	2232	855615	1 - 434	15 - 448	AR069079.
HEOSS04	2233	926483	1 - 457	15 - 471	W65492, AC005393, AC006133, and AC005515.
HEOST23	2234	965916	1 - 753	15 - 767	W03011.
HFSAC03	2235	850146	1 - 552	15 - 566	AA341979, and T92688.
HFSAM43	2236	715700	1 - 162	15 - 176	AA342419.
HFSAQ59	2237	572813	1 - 423	15 - 437	AA342556, and AC005158.
HFSAV59	2238	675922	1 - 264	15 - 278	AW020037, A1658843, AA342731, AA828039, A1400553, and A1010597.
HFSAX51	2239	572815	1 - 399	15 - 413	AA342635, and R37508.
HFSBF09	2240	573315	1 - 403	15 - 417	AA343192.
HFSBG31	2241	504368	1 - 306	15 - 320	AA343240, AA343241, and AC007688.
HHEAA27	2242	575258	1 - 489	15 - 503	A1537538, Z83822, AC006285, and AC016025.
HHEAM44	2243	726856	1 - 596	15 - 610	AA489589, AB022537, and AL031228.
HHEAW46	2244	718120	1 - 572	15 - 586	AW262813, AW411169, R68959, and A1380261.
HHEBS24	2245	858417	1 - 306	15 - 320	
HHECK11	2246	924982	1 - 223	15 - 237	
HHECK33	2247	871375	1 - 232	15 - 246	I31887, and I31888.
HHECM01	2248	916178	1 - 429	15 - 443	AA586433, H81732, A1049701, H71738, AA878407, A1884861, A1002762, AA021139, AA320105, AA515929, A1564301, A1699049, F07564, R93854, AA074351, AA598608, AA857812, A1004740, AA721998, A1255004, A1255015, F25640, AA814719, AA351808, A1143653, AL042869, A1065043, AA736713, A1280574, A1251576, A1306232, AA326904, AA729373, A1583466, F16409, A1279417, AA468923, A1869786, AA326452, AA454504, AA846923, A1805261, AA128969, AW274191, A1246192, AA809125, AA811954, A1733647, A1904944, A1914713, A1880889, A1733662, A1590404, AA324088, AA218631, AW381823, A1865980, AA313133, AA326330, AA507526, A1282479, AA484892, AW190484, A1567391, AA584484, AW238712, A1289396, T49933, AA595656, AA492105, A1983047, N20173, AA374797, A1479068, F35097, W44359, AA720582, AW328331, AA503298, A1921491, AA405726, AA558404, AW166920, A1610737, AW128881, AA652059, AF003626, AC004999, AC002554, AC007193, AC006008, AC004975, AC005998, AC006530, AC005625, AF124730, AF165926, AP000066, AP000280, AC003964, Z95703, AC005697, AF024534, AP000039, AP000107, AL110502, Z73963, Z93023, Z98950, AL133494, AP000224, AP000086, AP000045, AP000113, AF053356, AC005003, Z84477, AC005412, AL049780, AC007055, AC005086, AL031277, AC006137, AC005237, AL133163, AC007680, AC009247, AC004236, AC009275, AP000314, AC004948, AP000194, AL031666, AL050308, AC007429, AL078581, U80017, AL132987, AC004782, AC005193, AC006130, Z82189, AC006538, AC004814, AP000153, AP000011, AC004020, AC002039, AC005839, AL049869, AB026899, AL031885, AC007536,

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HHECM66	2249	781893	1 - 375	15 - 389	H63677, and AL020997
HHEC001	2250	915285	1 - 311	15 - 325	AF039241, T07305, AC004150, AF039691, AF132608, AF207748, and AF006602
HHECR08	2251	959125	1 - 565	15 - 579	AL1913928, AA480258, and AA493192
HHECT58	2252	973110	1 - 430	15 - 444	
HHECT59	2253	858407	1 - 517	15 - 531	AW079676, and AL291307
HHECT70	2254	753842	1 - 147	15 - 161	AA356150
HHECX82	2255	915913	1 - 523	15 - 537	AL042096, AL040576, AL040768, AL038532, AL046850, AL044201, AL044258, AL041577, AL043570, AL041459, AL043848, AL043814, AL038983, AL039316, AL043923, AL044064, AL042135, AL043845, AL040052, AL041374, AL046392, AL043627, AL041523, AL041730, AL040148, AL040082, AL04272, AL040329, AL040294, AL040090, AL040263, AL044187, AL044199, AL040458, AL045990, AL041635, AL044074, AL038838, AL045920, AL041602, AL043492, AL044165, AL043775, AL041752, AL040839, AL046442, AL043677, AL040745, AL045684, AL040617, AL040332, AL040255, AL040285, AL040342, AL040091, AL040128, AL040168, AL04037, AL044186, AL043467, AL040510, AL040625, AL045817, AL041142, AL041238, AL047183, AL040322, AL046330, AL041051, AL041292, AL040119, AL047036, AL047170, AL047057, AL047219, AL039915, AL037435, AL043612, AL041197, AL043537, AL041186, AL044274, AL045753, AL040253, AL041131, AL039360, AL037727, AL040529, AL045857, AL041227, AL049018, AL045725, AL040553, AL038822, AL037436, AL041159,

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HHEDB31	2256	697806	1 - 589	15 - 603	T70593, AA484366, AI811076, AA658101, AA452879, AI261932, AI371165, N55560, AI863180, AI111171, AC005523, AC007193, AC004084, Z83840, Z98742, AI133245, AI049843, AC002116, AP000510, AL022396, AL021394, and AL096701.
HHEDH57	2257	665762	1 - 655	15 - 669	W19045, N57242, N41553, and AC000119.
HHEDJ94	2258	906876	1 - 509	15 - 523	R80434, AA531428, Z82215, and Z95114.
HHEDM03	2259	923908	1 - 448	15 - 462	AA553409, AI762528, AA167656, F16848, AA593168, AW103030, AI925065, AI823705, HI2857, AI824476, AW440368, N41775, F30650, W45416, AA993636, AI025930, W02497, AA828592, AW088631, AC005015, AC004859, AC004000, AC006271, AI133353, AC005288, AL008719, AP000552, AF207550, AC005940, AC005911, AC004821, AL031848, Z81364, AC004087, AC002456, AL022163, AL035071, AC004686, AC005695, AC000025, AC005330, AC002565, AP000167, AP000556, AC003963, AL035089, AC005859, AP000502, AC005041, AL031230, AF135187, AC005696, AL049569, AC008372, AF047825, AF134726, AB023059, AC007878, AC005612, AC005519, L78810, AL049869, AC002544, AL049694, AL035086, U80017, AC005484, AC006449, U73169, AL035587, AL050307, AC002347, AL049839, AL031311, AC002316, AL049780, AF111167, AL109952, Z93241, AC007226, AC004832, AC002350, AL050318, AC005203, AC006960, AP000122, AP000509, Z97056, AC007934, AC010170, AC005531, AL034420, AC006111, U95742, AL031685, Z99716, Z68223, AL022316, AC005089, AL022326, AP000359, AC003025, AC002425, AC005362, AC007551, AC000159, Z85987, AC006285, AL121578, AC004583, AL022345, AC006538, Z95152, AC007216, AC012627, Z83822, AF139813, AP000326, AL109798, AC005846, AL079340, AC005736, AC004797, U91321, AC007160, AC004999, AP000113, AP000045, AC007041, AP000169, AP000054, Z84484, AL023803, AL023553, AL049776, AP000300, AC004228, AL023807, AC005180, AC004520, AC005913, AC007536, AC005567, AC005527, AC006121, AC005399, AF036405, AC005839, AC005529, AC007055, AL009181, and AL035422.
HHEDN93	2260	731067	1 - 360	15 - 374	AI279905, AI859460, and AA353599.
HHEDO53	2261	973320	1 - 59	15 - 73	
HHEDO74	2262	463250	1 - 432	15 - 446	AA975530, AI376755, AA931603, AA830053, AA912944, AA926705, AI445635, and AA954467.
HHEDP88	2263	878759	1 - 371	15 - 385	AA297299, AI990951, AA412438, AA150262, AA937163, AA757561, N32544, AI126496, AA872939, and R61273.

HHEDR27	2264	791847	1 - 563	15 - 577	U63127.
HHEDW03	2265	923340	1 - 421	15 - 435	
HHEDW58	2266	735609	1 - 509	15 - 523	AL132712.
HHEEC07	2267	952455	1 - 2410	15 - 2424	AW271777, AA418212, AW026172, AW080197, AW150080, Z99393, AW296033, AI738581, AA452203, AA418041, AA028164, AA035728, AW138718, AW027368, AI861850, AI149306, AA194725, AA845357, AA521437, AA394270, AW003395, AI961396, AA476994, AI815175, AA621790, AA292791, AI917710, AI580942, AI831206, AI422238, AI337202, AI684220, AI758685, AI769662, AI363149, AI372022, AA149978, AI459301, AI916905, AA426479, AI090412, AI333285, AA195566, AA477023, N26319, AA453007, W79139, N80051, W74464, N27382, W17034, AI536804, AI336594, H83596, AI524485, AI092161, AW087165, AW439123, AA829164, AW192237, AA765990, AI803792, AI253581, AW196349, AA160311, W07012, H96016, AI963237, AI915904, C16527, AI468579, AA379225, C16442, AI867613, T23879, AA918013, AI224581, AI224589, AA373431, AA639187, AW261888, AA894881, H43838, AA081258, AW088913, AW024050, D61727, H96017, AW160880, AW161522, AW161495, AI090929, N89775, Z99394, C21261, AI687157, AI620764, N39762, AI814820, AA354795, AA476912, AI624528, N79269, D25568, AF064257, D38517, and AC004222.
HHEEC61	2268	741280	1 - 262	15 - 276	AF200630, AF201372, and AL022313.
HHEEK88	2269	702337	1 - 522	15 - 536	AI261872, AI679138, AI434461, AI379427, AI679712, AI963616, N98728, AI823643, AI769963, AA855094, AW294343, AA398469, AI341436, AI660067, AA970537, AI682850, C01626, AA401874, AI985926, R71022, AA772273, W31010, AA705992, AI862548, T26896, and AF085849.
HHEEL47	2270	719825	1 - 535	15 - 549	AI703499, AA494263, AI002734, AI054352, AI273847, AI580250, AI253382, AA502991, AA728812, AA811208, AA834707, AA594072, AA654661, AA452325, AA484143, AI674840, AI922930, AI205009, AI002941, AA862243, AA579205, AA747540, AA776646, AW327624, AA515728, AA486559, AA442176, AW084246, R81017, AA436796, AA297538, AA582463, R62710, AL079734, AA984187, AA448897, AC007055, AL049780, AL133500, AC004765, AL031685, AC004466, Z83840, AC004099, AL031177, AL049610, AL121825, AC004682, AC007103, AC004655, AC006312, AC006543, AC006367, AC006137, AC007387, AC006544, AC004984, AC006531, AC005669, AL031428, AL031283, AL024498, AC006166, AC007214, AP000337, Z81364, AC006115, AL008633, Z99716, Z93783, AC005722, AC006365, AB023051, AC007225, AC006978, AL035420, AC003037, AP000961, AC007193, AP000512, AL031662, AC007842, AF011889, AB023048, AL034425, AP000511, Z97054, AC005190, AL034420, AC004217, Z84469, AC004552, U91322, AL035495, U91327, AC005146, AC002080, AL033525, AP000704, AL133445, AC003043, AL035697, AC005696, AP000513, AC009743, Z97630, AL121769, AI229041, U07563, AC008154, AC004605, AC002542, AC005682, AL009182, AC004685, AC007285, AP001052, AL133163, AL009174, AC005065, AC005212, U78027, AC007090, AC006271, AC003950, AC005701, AC005937, AC007707, AC007226, AC006538,

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HHEFB29	2271	690073	1 - 532	15 - 546	AW402864, AC005756, AL096767, and AC000119.
HHEFB73	2272	947568	1 - 432	15 - 446	AL039087, AL037259, AA362688, AA362689, T29199, AA362690, A49045, I07209, AR067734, I07249, AR068508, AR068510, AR068509, A63954, I09270, I09268, I09269, A49701, I09252, I09251, A29109, A32111, AR068550, A23373, AR068551, A94048, A94061, AR035224, A94046, A94054, I58322, I58323, E01324, I08638, A27169, A27170, A39929, A83151, AR038307, AR038321, AR016495, I66495, I66496, I66497, I66498, I66499, I66496, I66487, A93936, I91969, Z96177, E01619, E01239, E01561, A92081, A92080, A92077, AR067733, AR038306, AR029418, A92078, A92079, AR029417, AR038320, AR027319, A91752, A91751, A70359, AR067731, AR027318, AR054109, AR067732, AR038066, AR064436, AR051651, and AR051652.
HHEFK12	2273	966292	1 - 317	15 - 331	
HHEFL47	2274	973094	1 - 356	15 - 370	
HHEFZ58	2275	735615	1 - 366	15 - 380	AA010070, and AL870529.
HHEGA66	2276	969467	1 - 247	15 - 261	AL022318, and AL031846.
HHEHC74	2277	974406	1 - 725	15 - 739	
HHEHD94	2278	964103	1 - 306	15 - 320	
HHEHU73	2279	923895	1 - 432	15 - 446	AA314262, and Z84466.
HHEHW78	2280	973140	1 - 579	15 - 593	AC006468.
HHEIH19	2281	973230	1 - 512	15 - 526	
HHEIH30	2282	961974	1 - 536	15 - 550	AW277207, AW157157, AL816301, AW277157, AW156950, AA313026, AA152106, AL313177, AW163128, AW161415, AL382960, AL201561, AA773272, AA826520, AL267630, AW081919, AA731178, AA017675, AW390380, A1222064, AW390751, AF180920, AF159159, and AF030091.
HHEIY91	2283	974407	1 - 521	15 - 535	AA904211, AW304580, AA515728, AA833875, AA833896, AA526099, AA515351, A1733856,

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HHEKG10	2284	961957	1 - 399		15 - 413	
HHEKJ20	2285	918032	1 - 214		15 - 228	
HHEKJ27	2286	858384	1 - 478		15 - 492	
HHEKK06	2287	933849	1 - 459		15 - 473	
HHEKP61	2288	913413	1 - 1448		15 - 1462	AA679016, AW408019, AA251937, AW407984, AL623302, AL431307, AL431316, AW392670, AL432644, AW372827, AL791349, U46349, AL432653, AL431243, AW081103, AL432655, AL432654, AL432650, AL042433, AW384394, AL134536, AW363220, AL432661, AL431255, AL042551, Z99396, AL432677, AL431337, AL119401, AL432651, AL431230, AL431328, AL431310, AL431312, U46351, AL119355, U46345, AL492510, AL431347, AL119497, AL431358, AL039912, AL432657, AL431354, AL432649, AL432647, AL432675, AL119483, AL431247, AL432643, AL431248, AL431330, AL432662, AL432665, AL492519, AL431314, AL037205, AL035530, AR066494, AF019249, AB026436, AR060234, AR054110, Y17793, A81671, and AF064854.
HHEKSS3	2289	973233	1 - 449		15 - 463	AA338228, AA599423, AL289850, AL275183, AA584125, AL583291, AL571543, AL031293, AC005207, AL109758, AF111168, AL034402, AC005183, AC005348, AC005790, AC005229, AF134726, Z97630, AL049836, AL022316, AC004024, AC006487, AC016027, AP000503, AC016830, AB009667, Z83838, AL031228, AC005821, Z98743, AC005839, AF064860, AC004820, AC005291, AC005863, AL096706, AC004865, AC007324, AC007917, AC008101, AC004079, Z84483, AC008079, AF111167, AL021154, AP000098, AL034423, AL031311, AC005318, AC004000, AL022312, AD001502, AC005482, AC005399, AL022726, AC004020, AC007227, AL049764, AL031053, AL121754, AP000355, AC004805, and AC006536.
HHELD03	2290	868495	1 - 883		15 - 897	
HHELD11	2291	974419	1 - 172		15 - 186	
HHEMA34	2292	704035	1 - 354		15 - 368	H09835, and R61607.
HHEMA65	2293	719229	1 - 286		15 - 300	
HHEMD28	2294	858303	1 - 371		15 - 385	H66688.
HHEMK21	2295	670784	1 - 443		15 - 457	AA150780, AA341445, H65527, N28990, AA972976, AA359399, T55030, AA287792, AC009330, AC009542, AC003689, and AC003678.
HHEMN76	2296	752947	1 - 437		15 - 451	
HHEMO91	2297	790100	1 - 257		15 - 271	
HHEMQ56	2298	858289	1 - 363		15 - 377	AJ230802.
HHEMQ58	2299	952989	1 - 508		15 - 522	AL109748, and AL078614.

HHENC18	2300	666335	1 - 412	15 - 426	
HHEND28	2301	468911	1 - 500	15 - 514	AL109827.
HHEND45	2302	919630	1 - 338	15 - 352	
HHENE18	2303	806606	1 - 500	15 - 514	AC002390.
HHENE38	2304	662972	1 - 432	15 - 446	
HHENE47	2305	720255	1 - 382	15 - 396	AC004585.
HHENG31	2306	917904	1 - 622	15 - 636	AI266255, AI302710, AA505091, AI076214, H82739, N30416, AA758853, H83614, AI362648, N79746, T77931, AW013896, T77853, and AL031291.
HHENH93	2307	691023	1 - 377	15 - 391	AA595183, H29208, H29209, and AF102777.
HHENQ53	2308	709078	1 - 289	15 - 303	
HHENQ16	2309	661841	1 - 547	15 - 561	
HHENR11	2310	966906	1 - 936	15 - 950	AW007450, AW021951, R56093, AI809818, AF118885, AC002468, AL109627, AC005004, AC005562, AC008273, AC005082, AL034555, AC004815, L44140, AC006023, AL133243, AC018633, AC006538, AL132712, AL080243, AC005839, AC007666, AC007041, AC006137, AL031983, AC007546, U85195, AC005703, AL132857, AC005488, AL009179, AC005563, AC005104, AC004019, AP000704, AC007738, AC005252, AL031595, AL008582, AC006077, AF043945, U07563, AL109963, AC007182, AP000295, AC006049, and AC008041.
HHENR78	2311	773537	1 - 417	15 - 431	AC005326, and AC004924.
HHENV38	2312	657383	1 - 401	15 - 415	AI990739, AI927951, AI989475, AI990284, AI082831, AW295986, AI798629, AI380475, AA777280, AI350438, AI867928, AW194833, AI478440, and AI758120.
HHENZ86	2313	670837	1 - 436	15 - 450	
HHEOF20	2314	861457	1 - 347	15 - 361	T63737, and AC004755.
HHEOF58	2315	841978	1 - 483	15 - 497	
HHEOG17	2316	662948	1 - 342	15 - 356	
HHEOG67	2317	588154	1 - 326	15 - 340	
HHEOI18	2318	677891	1 - 381	15 - 395	AA976063, AI689977, AI291003, AA379679, AI796262, AA889834, AA147542, AA383327, AI857360, AA234045, R81076, AI924779, AA826483, AI368773, AA190557, AI689857, AI041119, AI703295, AI802472, AA349132, R25344, R23959, AI360000, W60453, AI557581, and AF048977.
HHEOI10	2319	911814	1 - 450	15 - 464	AW385142, AW375056, AW062951, W19655, and AA452790.
HHEOL59	2320	588168	1 - 519	15 - 533	
HHEOX60	2321	734311	1 - 400	15 - 414	
HHEOZ17	2322	793087	1 - 393	15 - 407	
HHEPD46	2323	718950	1 - 550	15 - 564	AI653678, T60029, N58301, AW162128, AI859744, AI273990, N73203, AA506744, R85174, AA366676, AI879951, AA653291, R32162, AW166824, AI018726, R93026, AA811150, AA577719, M77867, AA744993, H78281, AW189401, AA737523, AA642823, AA632565,

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HHEPD73	2324	966828	1 - 548	15 - 562	AW102944.
HHEPE31	2325	858269	1 - 355	15 - 369	
HHEPG15	2326	659664	1 - 548	15 - 562	AF150253, AI743143, X85654, and AF161548.
HHEPK28	2327	686489	1 - 342	15 - 356	
HHEPM73	2328	683270	1 - 414	15 - 428	AA505298.
HHEPN44	2329	716494	1 - 928	15 - 942	R10189, AI984168, AA583386, AW020198, AL042667, AL042670, AI917132, AI003469, AI915081, AI310670, AA324108, AW247338, AI612070, AA614254, AI611533, AA224889, AL044701, AI310787, AA904211, AI889995, AI828721, AI653999, AW082104, AA468505, AA182873, AA487209, AA644090, AI962030, AI349130, AA613624, AA557945, AA525331, AA640104, AA728954, AI792092, AI821056, AI821805, AA493808, AW270385, AI732720, AA551519, AA232928, AA230025, AI653776, AI734119, AI114494, AI120282, AA640305, AA653139, AW020094, AW021015, AA259267, AI567676, AC005295, AC005067, AL035681, AL022316, AC003108, AC002351, Z99714, AC004019, AC005102, AC002554, AL031281, AC003041, AC005520, Z95115, AC006285, AC005632, AC005972, AF001549, D88268, AP000553, Z95116, AC004448, AL033527, AC005004, AC016025, AP000555, AC005529, AC007510, AL133448, AC004859, AC005280, AD000092, AP000501, L44140, AL009181, AC009498, AC005527, AL121658, AL023879, AC009247, Z93244, Z85986, AC004913, AC005228, AC005288, AL031311, AC004834, AC005081, AP000503, AC005250, AC005231, U89335, AL133246, AC005808, AP000263, AC004263, AL135960, AI131016, AL121655, AC004098, AC005670, AL022721, AC005089, AL050307, AP000104, AC007919, AF207550, U52112, AL049758, AC002347, AL008706, U07561, AC004601, AC002300, AC004000, AL121754, AC006965, AP000036, AF111169, AL049692, AC006511, Z97056, AP000133, AC005900, AC004526, AI003147, AL132992, AL035684, AC002310, AC006449, AP000691, AC005684, AC002091, AC005277, AL096791, AL031230, AL049757, AC007240, AL031289, AC005011, AF053356, AC006347, AP000688, AC005519, AL139054, Z95113, AC006372, AC005071, AF196779, AC004876, AC006006, AC005412, AP000116, AF134726, AC005409, AC005880, AL078581, AC004967, AC005015, AL034400, AL022326, AC005484, AC004962, AL121748, Z93241, AC004973, AC006468, AC005746, AC006014, AC007938, AC005006, AC004897, AP000511, AC005618, AC004797, AL008718, AL121653, AC005488, AC007055, AC003109, AL022329, AC005300, AL133163, AL049636, AL109967, AC005924, Z73979, U95739, AC004929, AC005595, AC005933, AC004799, AC007676, AC002381, AC007390, AC006241, AC005535, AC006277, Z75407, U78027, U78027, AC004125, AC005856, Z94044, AL020993, AC005057, AC007536, AC005086, AF205588, AC002126, U47924, AL133353, AL031432, AP000696, AC007436, AC005694, AP000947, AC003956, AC005013, AC002544, AC005041, AL096677, AF109907, AL049835, AP000045, AP000113, AC008372, AL121595, AC003030, AC004765, AC004805, AL031602, AL035588, AL049694, AL034418, AL035422, AC007546, AC005940, AC004815, Z83840, AF015416, AC006064, AC002477, AC003042, AL109865,

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HHEPR14	2330	869381	1 - 640	15 - 654	W86315, and AI674685.
HHEPS91	2331	493744	1 - 552	15 - 566	AA021393, F04232, AI133083, AI783911, AA557945, AA535216, D44672, AA773463, AI143051, AA602017, AI355246, AA488746, AA828637, AI355559, AA676592, AA904275, AI249365, T52772, AA484892, AW419389, AA649642, AA828834, AA533176, AA180056, AA601356, AI813957, AA069389, AI281818, AW089950, AI627917, AI753536, AW277109, AA745524, AI821716, AA568314, N95817, AI356440, AI620585, AA491423, AA355367, AA610433, AI635677, AI754293, AW028950, AI623764, AW104788, AI872503, AA579188, AI810584, AA744465, AA745470, AA744449, T47138, AI242502, AC004752, AC009275, AC007955, AC005229, AL049832, AC008009, AC005527, AC005529, AC002425, AC003108, AL031681, AC004019, AP000014, M13792, AC007386, Z99716, AC002543, AC007055, AL008582, Z83844, AC005180, AB020865, AC010205, AC004876, AC005409, AC000025, AC005510, AF001548, AC006312, AL049759, AL096701, AL049869, AC007731, AF134726, AC007161, AL121603, AC005500, AC004984, AL121769, AL008718, AL121658, AC006449, AC005156, AC004655, AL033527, AL022320, AF019413, AP000212, AP000134, AC005089, Z98884, Z97196, AC005081, AC002456, AC007687, AL049776, AL117694, AF111168, AL133163, AL034417, AC005823, AC006511, AC005328, AC005971, AC009247, Z98304, AC000353, AC004067, AC007666, AC004796, AC006468, AC007376, AC008124, AC012627, AC005015, AC005899, AL021407, L78833, D87675, AC002432, AC006578, AC004859, AL021154, AC007216, AL035659, AC007688, AI003147, AL121653, AL031074, Z84469, AC007263, U80017, AL133245, AC002302, AP000509, AC004686, AL031295, AC004103, AC007546, AL135744, AP000030, AC002477, U91323, AP000501, AC000004, Z84467, AL050343, AC005722, AC002553, AC007367, AL096678, Z98257, AC008372, AL139054, AL022313, AF109907, AC007226, Z98751, AC002400, AP000141, AL049757, AC000052, AC006211, Z86090, AC005011, AL035249, AF205588, AC004895, AC007308, U91318, AC004253, AL022336, AC005962, AL031668, AC004821, AL096710, AL121655, AP000045, AC005519, AC006285, Z98949, AC007283, AC004106, Z93023, Z83822, AL024498, AL022238, AL034420, AL021395, AC005972, AC006536, AC004883, AC008040, AC007277, AC005041, AC007566, AC006538, AC005332, AC002350, U91322, AC005484, AC004832, AC006559, AL022721, AL031273, AC005209, AL009051, AP000553, U52112, AC005291, AC005531, AC005358, AL022719, AF064858, AP000555, AC006121, AC000003, AF001550, AC005696, AC016025, AC004622, AC006077, Z97183, AC006059, AC008015, AC005746, AC002991, AC002470, AC008079, AC005874, AF134471, AL133246, AC005037, AL035423, AC003043,

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HHEPZ10	2332	963715	1 - 155	15 - 169		
HHEQB17	2333	918056	1 - 408	15 - 422		
HHEQB47	2334	841899	1 - 464	15 - 478		
HHEQG21	2335	934680	1 - 457	15 - 471		
HHEQG45	2336	717303	1 - 306	15 - 320		
HHEQG52	2337	956214	1 - 191	15 - 205		
HHEQG72	2338	922619	1 - 329	15 - 343		
HHEQG75	2339	766960	1 - 387	15 - 401		
HHEQG86	2340	784752	1 - 375	15 - 389		Y17793.
HHEQH63	2341	744596	1 - 386	15 - 400		
HHEQI07	2342	952416	1 - 227	15 - 241		
HHEQI11	2343	966293	1 - 408	15 - 422		T89011, and AL047171.
HHEQI82	2344	728596	1 - 370	15 - 384		AA659367, and AA661891.
HHEQI89	2345	786607	1 - 173	15 - 187		
HHEOK01	2346	871911	1 - 582	15 - 596		AA489782, and AF129078.
HHEQO36	2347	707926	1 - 445	15 - 459		
HHEQP38	2348	709076	1 - 394	15 - 408		Z98256.
HHEQP83	2349	780397	1 - 676	15 - 690		AA720645.
HHEQQ47	2350	699160	1 - 428	15 - 442		AF104235.
HHEQS17	2351	662203	1 - 499	15 - 513		
HHEQU09	2352	755007	1 - 451	15 - 465		
HHEQV03	2353	923324	1 - 475	15 - 489		Z27104, AA947563, and A1123214.
HHEQV39	2354	932851	1 - 873	15 - 887		AA355773, and AA355926.
HHEQX60	2355	915561	1 - 453	15 - 467		
HHEQY32	2356	698633	1 - 365	15 - 379		AA353703.
HHERA17	2357	858239	1 - 257	15 - 271		
HHERB03	2358	933271	1 - 422	15 - 436		AL041364, AA581202, H22202, AA573189, A1623423, A1889612, AA130055, A1298936, AA688189, AA026119, AL046322, H82057, AA301758, and AL049795.
HHERB04	2359	854112	1 - 1070	15 - 1084		AA102072, A1124666, AA136417, AF169548, and AC004099.

HHERN11	2360	966003	1 - 363	15 - 377	
HHERO39	2361	858238	1 - 426	15 - 440	
HHERO95	2362	928142	1 - 1324	15 - 1338	AI761092, AW088116, AI660060, AA460070, AI823894, AI377047, AA833746, AW022132, AI660032, AI573194, AA938309, AA741093, AW294514, AA856722, AA459978, AI635527, AA948449, AA767492, AA311065, AW183379, AI167213, AA621378, and AI133101.
HHHERQ04	2363	925697	1 - 504	15 - 518	
HHHERQ50	2364	858049	1 - 793	15 - 807	AA151636, AA478851, AI018742, AI335888, AI268195, AA479950, AI436179, AI268216, AA360626, AW362452, and AA021655.
HHHERU77	2365	934167	1 - 473	15 - 487	AW276744.
HHHERV38	2366	933142	1 - 440	15 - 454	
HHHERX04	2367	925700	1 - 643	15 - 657	AA749124, AW024899, AI738779, AW298129, AI936218, AI472304, AI418577, AI309755, AI081335, AI809820, AA016255, AA054132, AI024619, AA905716, H21932, AA256702, N79804, N77846, N77838, AI874019, AA872041, and AC004895.
HHHESF07	2368	952214	1 - 588	15 - 602	AI248073, AA23254, AI658612, and AA250935.
HHHESG02	2369	918639	1 - 316	15 - 330	Z73495.
HHHESH33	2370	893701	1 - 482	15 - 496	
HHHESI92	2371	792431	1 - 241	15 - 255	
HHHESI03	2372	922998	1 - 569	15 - 583	
HHHESK56	2373	779164	1 - 534	15 - 548	
HHHESN02	2374	918634	1 - 390	15 - 404	AF085233, and AF169035.
HHHESO94	2375	793390	1 - 607	15 - 621	AF150222, and AF161351.
HHHESP87	2376	858224	1 - 671	15 - 685	AA598870.
HHHEST60	2377	858220	1 - 300	15 - 314	AL023584.
HHHESU02	2378	918668	1 - 490	15 - 504	AP000689, AC006312, Z84466, AL080243, AC005722, AF064861, Z83822, AF001549, AB026898, AL031311, Z84480, AL035681, AL096763, AC003071, AB003151, AC002310, AC005796, AC003101, AC005081, AC005049, AC004031, AP000499, Z82203, AI022336, AC004526, Z83847, and AC004448.
HHHESU03	2379	923030	1 - 671	15 - 685	AI929353, AA310170, and AW401881.
HHHESU54	2380	926341	1 - 412	15 - 426	
HHHESU85	2381	783820	1 - 324	15 - 338	AA804825, AA113301, AW264764, AI580548, AA130859, AA581238, AI805438, T66032, AA533703, AA578089, AW265073, AI963514, AW274078, AA494038, AA984263, AA630834, AA601318, AA341817, R42117, AA811489, AW402458, R64204, AL138271, AA486106, AA708021, AA069589, AA470544, AA059369, AA339011, R43218, AI057350, AI354862, AA628627, AA857296, AA814527, H46593, AW327868, AA584513, R15075, AA810200, AL009029, AC008134, AC006965, Z97181, AC004104, AP000018, AC004791, AC005881, Z97055, Z85996, U91321, AC004167, AL034548, AL023284, AC005067, AC004895, AC006211,

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HHESV46	2382	935074	1 - 511	15 - 525	AA569179, AA299351, AI679759, AW238495, AI246061, AI054090, AI620266, AI298079, AI185394, AA856866, AA434346, T08386, AI114494, AA582746, AA192293, AA657910, AA768179, T06292, AL039309, AL037856, AL042373, AA741301, AI251241, AA527109, AI630894, AI284543, AI254770, AI251944, W96277, AI251034, AI251203, AI251284, AW128881, AI590404, AI250552, R35259, AA020873, AA579399, H43183, AI479068, H16875, AW408767, H24957, AA502688, AA846923, D82321, F08214, T41134, AA744095, AA662614, F37201, AI249853, T05617, AW019964, AA736713, AI207728, AI285493, AA878407, AI223626, AW303098, AW341882, AI889579, AI345394, AA484892, AI445373, AI348780, AL038977, AI671077, AI143653, AL036909, AA654535, AA484298, AI973173, AA363957, AA020882, AI707744, AA687542, C17540, AI884861, AI636734, AI078409, AI110685, H90845, AA827383, AW079737, AI439676, AA353168, AW303822, AI421755, AI124779, F17537, AA295893, AA480486, AA295899, AA682536, AI863279, AA410771, AA831919, H63220, AA469230, AA757426, AA714073, AA564256, AI678476, H58891, AI281401, AI860535, T65895, AA507637, AL137946, AI927261, AA244181, AW151549, AI619994, AI821641, AC006360, AC005084, AL049856, AC007655, AC005234, Z73900, AL122020, AL035458, AL132668, AC005768, AL096791, AL132641, AC004996, AC006317, AC006236, AL117338, AL078612, AC004820, AF205588, Z92844, AC005998, Z78022, AC004054, AC006343, AC005996, U80017, AC005993, AL117337, AC004815, AL021368, AC004382, AL078477, AL033525, AC005879, AB017602, AF029308, AC005050, AC004974, D83253, AC007537, U91319, AP000106,

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HHETA53	2383	858211	1 - 751	15 - 765	
HHETB42	2384	973127	1 - 218	15 - 232	
HHETC50	2385	927000	1 - 368	15 - 382	
HHETD13	2386	858218	1 - 634	15 - 648	
HHETE34	2387	974392	1 - 719	15 - 733	AA722372, AW440545, AI631119, AL038971, AL041706, AL046746, AA812281, AI110760, AA083046, T56253, AA410828, AW151713, N48230, AL048125, AA601157, AA633798, AW075511, AA359347, AA459749, AL135377, AL040382, AW245747, AA724333, AI963600, AW303196, AL119762, AI284640, AW301350, AI669615, AI963720, AI334443, AL119691, AL121235, AW274349, AW102811, AA564634, AI924251, AI791664, AW274346, AI270117, AI493236, AL046409, AI281881, AA503600, AW408707, AL037683, AL041690, AL038705, AA581903, AA478355, AA634889, AI956131, AW193265, AW021583, AI589230, N94311, AI368745, AI367371, AA584167, AI583283, AW238278, AL040921, AA580808, AA468022, AA579366, AI431303, AA806796, AW069625, AA623002, AA587604, AA507824, AW270270, AA491814, AW020992, AA372481, AA490183, AI732865, AA720702, AL046205, AI368256,

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HHETf07	2388	952218	1 - 321	15 - 335
HHETf94	2389	793420	1 - 424	15 - 438

HHETK07	2390	848748	1 - 1028	15 - 1042	AA181422, AA181363, AA192252, AA194285, AI355246, F31811, AI367551, AI636734, AI828721, AI049630, AW089950, AA535216, AA228442, AI923052, AA480486, AA469230, AI250552, AW162288, AI251034, AI751162, AI254770, AI284543, AI054090, F13749, AW023111, AW243817, AA525331, W45215, AA579278, AA654781, AI251284, AI251203, AI431434, AI249853, AI366180, AA584241, R83708, AI452836, AA553337, AA744272, AW301483, AA745524, AW303098, AA503019, AI753113, AI583106, F30310, AI360514, AI446478, F24745, AW14190, AW193493, AW089625, AA639155, AI709024, AA507837, AI537538, AA779783, AW088133, AI360989, N27874, AA904211, H85808, AA122307, AA279919, AA654482, AI708005, AW274078, AI680547, AA570555, AA229988, AA599532, AI865807, T41132, AI357976, AI609972, AI884383, AA489856, AA778580, R67701, AI037910, T41164, AW243945, AI865988, AA326410, AI358089, AI580707, AI500552, AI246386, AW117704, AI560085, AI565084, AI597832, AI620992, AA493947, AI310464, AA297789, AA633799, AI370475, AA533408, AA302661, N74629, AW162697, AI696901, AW167154, AA111870, AA297670, T70299, AA947375, AA347382, AW337805, AW270768, AI446205, AI929796, AA580251, AA130623, AA630535, AW117723, AA601674, AI287921, AA604180, AI041375, AI696793, T40612, N57681, AA514020, T49184, AI885465, AI573009, AI608751, AA425924, F35684, AI02737, AA516320, AW268322, AA878140, AI054418, AI750125, AI816058, C18779, AA371410, AA633875, AI798521, AA862029, AA376358, AI065031, AW439724, AA323085, AA559290, AI039187, AA810837, AW304699, AI135643, H67064, AA558067, AA557770, AI049534, AI434653, R92998, AA847585, R93919, AA628581, T94394, AA235329, AA632479, AA555232, AA569089, AA745588, A65890, AC008273, AC002553, AL022320, AC005011, AL031230, AC005988, AL050348, L44140, AL031319, AC004253, AL133216, AL049836, AC005412, AC005777, AL031447, AC007292, AC007537, AP000553, AF001548, AL035450, AC004149, AL031777, AC002425, AL035250, D28126, AC005920, Z83826, AC000353, AC002511, AF045555, AL133246, Z54246, AL031577, Z82244, AC004983, AC007792, AL031311, AC005746, AC006449, AP000501, AL021977, AL133249, AJ012008, AC005225, AC006474, AC007371, AC005037, AC004587, AC006277, Z83844, AC005839, Z82976, AL049776, AL022336, AC005081, AC006544, AL031132, AL031291, AL079304, AC004034, U73169, AC005755, Z82215, Z95115, AC005231, AC004655, AC009946, AB023060, AC007546, AC007193, AD000833, D87008, D88268, Z81369, AL078593, AI251973, Z99716, AC005694, D88270, AC005756, Z97206, AL034554, AC004859, AC005486, D87012, AL023575, AC003108, AC004973, AP000152, AL079295, AC006372, U80017, Z93784, AP000350, AC007690, AC005786, AP000555, AC002310, AC004815, AC005207, AC004703, AL008707, AC005520, AL031431, AC003070, AC005074, AC005089, AC007225, AB000877, AL008629, AF207550, AL021155, AC004821, AC007387, AL031186, AC002070, AC005695, AC005015, AF001550, AC005184, AC005484, AC002091, AC006441, AC007687, AP000011, Z75407, AC004933, AC004832, Z93023, AB023049, AL031295, AC002350, AC006511, AL022723,
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HHETM92	2391	790879	1 - 435	15 - 449	AC006270.
HHETQ54	2392	908567	1 - 713	15 - 727	AI885183, AA903775, AI554613, AI291522, AI916978, AW135652, AA393862, and X79828.
HHETR21	2393	936252	1 - 706	15 - 720	H25211, Z44055, AA452343, AA297470, AA366087, AA297673, AA135318, AW161368, AW402965, N46057, Z41875, R59956, AW005173, AA504590, H23102, AL042001, AL041998, and AI865194.
HHETR94	2394	793434	1 - 572	15 - 586	AC005158.
HHETS04	2395	926997	1 - 1022	15 - 1036	
HHETU20	2396	858206	1 - 456	15 - 470	AC007225, AC006449, and Z77249.
HHETV35	2397	784894	1 - 210	15 - 224	
HHETX01	2398	915284	1 - 322	15 - 336	AL035079.
HHETY79	2399	774171	1 - 366	15 - 380	AA310882.
HH EUA62	2400	965709	1 - 850	15 - 864	AA312734, W23120, AA976304, AA297895, H49170, R76772, R34930, AA356611, AA205378, AA281670, AA352713, AA662069, AA354224, AA521488, AA714210, AW167245, AA448152, D50918, AC004913, and AB023622.
HH EUC31	2401	795268	1 - 772	15 - 786	AA132827, and AI905590.
HH EUC84	2402	788954	1 - 675	15 - 689	AI624024, AA307816, and AB018268.
HH EUE01	2403	915274	1 - 203	15 - 217	
HH EUE86	2404	784879	1 - 719	15 - 733	
HH EUE89	2405	786254	1 - 326	15 - 340	R94055, and AL136295.
HH EUP02	2406	918655	1 - 605	15 - 619	AL042433, AL134920, AL134902, AL134524, U46341, AW372827, AL119341, AL134528, AL134518, AL134533, and AR054110.
HH EUT33	2407	952043	1 - 293	15 - 307	

HHEUY42	2408	918029	1 - 167	15 - 181	
HHEV106	2409	933921	1 - 251	15 - 265	AI560063, and AC005696.
HHEV135	2410	965644	1 - 145	15 - 159	
HHEVN07	2411	952041	1 - 350	15 - 364	
HHEVR07	2412	952070	1 - 414	15 - 428	
HHEVS63	2413	973213	1 - 564	15 - 578	AL043039, AL043019, AW392670, AL119497, AL119401, AL043037, AL119457, AL043205, AL042978, AL042980, AI142132, AW372827, AL042544, AL119399, AL134902, AL043033, AL119355, AL042614, AL119341, AL119391, U46346, U46351, AW363220, AW384394, AL119439, U46349, AL134533, AL043029, AL119443, AL119396, AL134525, AL134524, AL042551, AL119319, AL134538, Z99396, AL119484, AL119324, U46350, U46347, AL119483, AL134536, AL119418, AL119363, AL043099, AL119444, AL043003, AR054110, AR066494, AB026436, A81671, AR069079, and AR060234.
HHEVS95	2414	957950	1 - 393	15 - 407	
HHEVV64	2415	974520	1 - 630	15 - 644	AW084328, AA525807, AA578621, T51832, AW023111, AA219349, AA805795, F24745, AW265688, AI192440, AA654482, H60738, AI433131, AI446259, F30158, AA808982, AA613966, AA639282, AA668587, AA609826, AA621865, AW245354, AI049709, AI635440, AA584655, AP001053, AL049872, AC007371, U47924, AC005484, AF064861, Z83845, AL031291, AC003967, AC007283, AC002094, AC004686, AC007050, AC006443, AC005369, AC004257, AL109758, L78833, AC004832, Z98200, AC004460, AC005839, AL022721, AL022320, M87889, AL022318, AC006316, U73169, AC006211, AC004865, AC005088, AL024498, AC004890, AF031078, AC005081, AL109984, U96629, AF030876, AC005041, AC005588, AC005913, AC003108, AC008040, AC002128, AL121595, AC007314, AC006277, AC005971, AC005046, AF030453, AC004084, AC006088, AC004217, AL049869, AF043945, AC004750, AL031286, AC007637, AC004033, AC006501, AC005881, AL035587, AC005412, AC005288, AL034429, AC005348, AC006511, AC005568, AC005837, AL031282, AC018633, AC003101, AC003029, AC002544, AL008723, AC006115, U91326, AC006006, AC005015, AL135744, AC005666, Z85987, U91323, AC006275, Z82178, AL031588, AC006014, AC004517, AC005488, AC004813, AC007690, AC004771, AL021154, AC005049, AC005667, AP000476, AL109827, AL049776, AC007041, AL133245, AC007157, AC005399, AC002527, AL121603, AP000022, AC005180, AL031133, AC004134, AC007766, AC002477, AC004938, Z73417, AC005874, AF134471, AC006165, AC002369, AL031584, AF196779, AL121655, AC005089, Z95331, AC006530, AC005280, AC004673, AC005527, AC006026, AC004998, U63721, AL035659, Z93096, AC002990, AC004953, Z86090, AL109967, AC006538, AL133243, AC005722, AC002395, AC000025, AC005914, AC006512, AC007546, AL049539, AC004821, AL021453, AC004167, AC003043, AC007057, AL133445, AC005216, AC005003, AF095725, AL118497, AC004253, AC006312, AC005887, AL133289, AC004129, AC003007, AL021578, AL022316, AC002554, AL022302, U91322, AC004242, AC009248, AC004067, AL050348,

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HHEWE44	2416	973219	1 - 722	15 - 736	AL119444, AL119483, W01359, AL119418, AL134524, AC0003037, AC0007899, AL031681, AL021977, AL021707, AC0005875, AC0004967, AL034379, AC0007216, U95742, AF109907, AL021453, AL034420, AC0004000, AL034417, AL031432, AL022165, AC0006287, AC0005102, AC0005746, AP000300, AC0002059, and AC0006468.
HHEWF40	2417	973234	1 - 799	15 - 813	AL119484, AL079683, AL1612032, AA654627, AL043009, AA381163, F23259, AW265197, F19258, AW277102, M62268, AA768409, AL205126, AA558697, AL003743, T51118, AA366820, AW074398, W60516, AA650244, AA515435, AA077817, AL204076, AA219009, AA626747, AL418164, AL635974, AL110770, F29989, AL561335, AA355602, AL284640, AA366035, F37223, AL961906, AL365988, AW023672, AW303876, AL610159, AL471481, AL061334, F24284, AL053672, H40538, H64560, AA680299, AA749364, F36273, AL792108, AA578141, AL287528, AL334443, AL358229, AL358343, AA350859, AL350211, AL435544, AL433187, AA317170, F37169, AL287284, F34511, T29360, AL963786, AW088058, AL345459, AL264743, AW339687, F28576, AA559290, AL336660, T16592, AA342901, AL053786, AA831388, AL569086, AL924251, AL446464, AA659083, AL635272, AA714595, W56200, AW406755, AA654968, AW193432, AA133986, AL249997, H73081, N71724, AL305547, AL144330, AW339568, AL138265, AW193265, AL041368, AA664535, AL887483, AW248523, AA341228, F32894, F35659, AL431303, AA542991, AL688846, AA340003, AW338869, AW008317, AL079910, AL423103, AW264973, AW407340, AA308806, AA491814, AA095511, AW406447, AL349874, AL359285, AA977743, AW022046, AA434484, AL046409, AL281903, AW419262, AW439558, AA916039, AL912322, AL914706, AL119691, T40338, AL125139, AL536555, F31799, AL963720, AA919037, AW406162, AA652057, AL246409, AL872421, AA484148, AA649642, AL341664, AL079645, AW269639, N71930, AA362700, AL120295, AL499094, AL557323, AA299115, H71429, AW248803, F35113, AL565245, AW069807, AL343137, AL951928, AA451612, AL148446, AW275674, AL138455, AA775230, AA483034, H16048, AL038279, AL017024, AL1613280, AA663306, AL493546, AL064864, AW276827, H64777, AL251002, AL042856, AA252763, AL951889, AL929531, AA610491, Z98473, AW249224, AA714453, AL299050, AL344844, AL471543, AA557686, AA344161, W07122, AL830390, AL037914, AA557879, AL038785, F32705, R72458, AA134367, AL761471, AA299601, AL648558, AL340453, AW080134,

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HHEWL08	2418	957946	1 - 565	15 - 579	AW103406, AI445934, AI653515, AI199816, AA904211, H73550, N55515, AA126005, AI247101, AI049676, AI049630, AA856961, AI278847, AI082353, Z97181, AC007371, AC007934, AC006238, AC004531, AL034402, AC005190, AL022316, AC005484, Z94721, AC004491, AF003626, AC009509, AL031277, AC004941, AC006130, AL022336, AC008041, AC005667, AL121892, AL078644, AL049872, AC005921, AC005820, AF030453, AC005015, AC005088, AC005826, AC007277, AC007308, U62317, AC005924, AL022165, AC005668, AC004664, AC004687, AL049869, AL021977, Z97054, AL022163, AL031733, AC012085, AL035458, AC004593, AC007684, AC007012, AC002112, AC004019, AL049709, AL135783,

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HHEWT52	2419	858116	1 - 296	15 - 310	AA457754, F29968, AA525753, AI718323, AI589230, AI860423, AI696955, AA581463, T71936, AA847704, H56721, AI345146, M77974, AI634601, AI439525, AI136897, T40612, H54340, F17312, AA460367, F30933, AI345566, AW272758, AW243817, AA230025, AI610012, AA468371, AI609974, AC006312, AC002476, AL022326, AP000036, AC006441, AC005013, AC004929, AC002347, AC005914, AF196971, AP000010, U93037, AC007731, AC003049, AC005015, AC006449, AC005500, AF139813, AC004228, AF002991, AC005081, U07000, AL022163, AC007845, AP000689, AL096791, AC016025, AC006930, AC005620, AP000501, AC006538, AC006285, AC006064, AC005859, AC005520, AC006241, AC007435, AC004216, AL049869, AL031277, AC007688, AL035423, AL022302, AC007298, AC005565, AL031427, AL133448, AC004032, AL133246, AC007542, AB003151, AL109628, Z93930, AC005667, AL121658, AC007546, AL049830, AL021918, AC007376, AL031670, AC006251, AC003982, AC002300, AC004991, AL121603, AC007263, AC002312, AC007773, AC005089, AC007690, AL033521, AL021391, AL049757, AC006057, AL008710, AC004678, AP000030, AC004671, AC004827, AC008372, AL009181, AC004973, AC005102, AC004675, AL079340, AL031054, AP000049, U80017, Z99716, AC004003, AC006023, AC006211, AL121655, AC015853, AF088219, AC006511, AC005529, AC002511, AC005562, AC006013, U52112, AC002544, AP000311, AC006262, AL121653, AC004703, AC007050, AC003689, AP000045, AC008044,

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HHEWU52	2420	935243	1 - 370	15 - 384		
HHEWU93	2421	973141	1 - 499	15 - 513		
HHEWY63	2422	858114	1 - 402	15 - 416		
HHEXD07	2423	951983	1 - 386	15 - 400		T90576.
HHEXK51	2424	932911	1 - 441	15 - 455		AA380899.
HHEXX06	2425	933858	1 - 267	15 - 281		
HHEXY05	2426	920532	1 - 694	15 - 708		
HHEYG35	2427	878225	1 - 509	15 - 523		AC003007, and AC005632.
HHEYK30	2428	961960	1 - 481	15 - 495		AW250651, AA205472, AA100098, AW250529, AA852703, AI215935, AA099468, AA502996, R55448, and AL050348.
HHEYK73	2429	847483	1 - 543	15 - 557		AP000553, and AC009516.
HHEYP70	2430	861923	1 - 461	15 - 475		AL040191, AI681518, AI692511, AA126434, W73242, AI741041, AA149414, AI796147, AI382171, AA716512, AA453874, AW406167, AI651251, AI189326, AW300691, AI087946, AI750752, AA678239, AI880169, AI670131, AA527704, AA489320, N41477, AA406606, AI298196, AI189518, N24031, AW193326, AI768820, AA431845, AW072591, AA768764, H40910, AA994953, AI651230, AI767999, AI831533, AW405466, AA577527, AA621254, AA595649, AA777665, AI039523, AA831340, AA676861, AA761298, AI278796, AI633506, C75076, AW440729, AI274990, T74612, AI274989, AI204199, AA027230, AA046211, AI499039, AI698691, AA513167, AI769276, AI247923, AA730209, AA431442, H51604, R73370, H40951, AA714946, AA889500, AW207415, AI868412, AW023485, AW080541, AW089033, AI143409, AA113933, AA149300, AI214812, W73297, R85535, AA347274, AI264766, H44524, AA773391, AB002368, and AC003010.
HHEYQ78	2431	963321	1 - 297	15 - 311		AB002390.
HHEYV03	2432	922104	1 - 459	15 - 473		N43748.
HHEYZ12	2433	968939	1 - 228	15 - 242		
HHEZA83	2434	973236	1 - 792	15 - 806		AW392670, AL119457, AL043033, AL119355, AL134542, AL119483, U46349, AL134538, AL119319, Z99396, U46351, AL119363, AL119324, AW372827, U46346, AW363220, U46350, U46347, AW384394, AL119443, AL119439, AL119484, AL119391, AL119444, AL119497,

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HHEZJ38	2435	860048	1 - 510	15 - 524	W26290.
HHEZP45	2436	952047	1 - 187	15 - 201	Z73359.
HHEZP54	2437	952367	1 - 798	15 - 812	AI806206.
HHFHP14	2438	960049	1 - 805	15 - 819	AA381084, AA381071, and AA380862.
HILAA18	2439	657314	1 - 579	15 - 593	AA352037.
HILBD61	2440	504130	1 - 516	15 - 530	AA352188.
HILCD94	2441	887182	1 - 809	15 - 823	AI823665, AI680854, AA723790, AW195801, AW137032, AW439945, AI924857, AA687329, AA743184, AA764896, W93389, and AA353212.
HJAAH06	2442	960647	1 - 631	15 - 645	AW163254, AA314521, AA354171, AA361131, AA337563, AA354364, AA330348, and AF113538.
HJAAM73	2443	530476	1 - 451	15 - 465	AA354447, AI909885, AI940079, AI909850, and AI909873.
HJAAT23	2444	530472	1 - 436	15 - 450	AA354714, W86159, and AI440432.
HJAAU52	2445	530473	1 - 541	15 - 555	AA169182, AA354783, AA852481, AB028893, Z64482, and Z64483.
HJAAU57	2446	661275	1 - 293	15 - 307	AA354792, AA354785, H67171, AA309969, R91175, AA502207, AI743721, R76258, AC004762, AC006511, AC005747, AC004821, AC000386, AC003101, AL031259, AC004382, AC007040, AL109798, Z85987, AC004843, Z99128, U73167, U90094, AP000300, AL031848, AC007055, AC005546, AP000045, AP000113, AL035587, AF205588, AP000962, AC002306, Z84469, AC004791, and AL049591.
HJAAV29	2447	669278	1 - 300	15 - 314	AA354798.
HJAAV82	2448	738993	1 - 669	15 - 683	H38110, AA354829, and AA242784.
HJAAW39	2449	530468	1 - 417	15 - 431	AA354854.
HJAAW48	2450	530641	1 - 391	15 - 405	AA354890, F00906, AA629836, AI446336, AC005288, AC002418, AL035405, AC003684, AL049631, AC006088, AC005800, AC004814, AL133445, AC000353, AC004386, AP000493, AC004966, AC004883, AL021154, AC004813, AL034417, AC003098, AL022476, AC006449, AC006511, AC006312, AL034429, AC005229, AC004491, AC007774, AL050307, AC006501, AF111168, Z98742, Z98036, AF190465, AC006538, AC004699, AC006026, AL096701, AC004967, AF053356, AC008115, Z99716, AL050318, AC005696, AC004821, AC004812, Z98051, and Z68756.
HJABB37	2451	530467	1 - 421	15 - 435	AA355113, AW068073, AA425026, and AA157625.
HJABC27	2452	669059	1 - 367	15 - 381	AA355129, AA287703, R05710, T83234, AB023172, and AF143869.
HJABH14	2453	530463	1 - 310	15 - 324	AA310688, and AA355321.

HJABJ06	2454	954589	1 - 475	15 - 489	AA309609, and AL023806.
HJABP04	2455	925557	1 - 493	15 - 507	AA309924.
HJABV44	2456	871824	1 - 556	15 - 570	AA310251, AA831350, AA302870, AA811673, AI076729, H67854, AA601376, C14014, AI869406, AI133355, Z93241, AC007308, AC006162, AP000500, AC007160, AC006115, L78833, AL049793, AC005081, AC006011, AL034548, Z97056, AC005224, AC006121, AL050318, AC004150, AL022311, AC005015, AC005632, AP000503, AC006021, AP000356, AL050312, AC005562, AC004099, AF165926, AC006211, AC002044, AL031311, AC005971, AC008012, AL031255, AC002470, AC007283, AC004106, AC004757, AC001228, AP000692, AP000133, AP000211, AP000030, AC005726, AL049829, AF196971, AC005529, AP000252, AC005305, AC002115, AC006487, AL020997, AF001548, U95090, Z93016, AL049694, Z97054, AC004686, AC005800, AC005902, AL031390, AL031297, AC006111, AP000251, AC004087, AF053356, AL049757, Z94801, AC007227, Z83844, AL096701, AL021391, AF205588, AC010077, AB023049, Z93023, AC004655, AC004882, AC005874, AF134471, AL031767, AL109914, AL109839, AC007350, AL031668, AF055066, AF134726, AC002306, Z94056, AC001052, AC004659, AC004966, Z83838, AC004685, Z97989, AC005822, AC005755, U62293, Z98200, AC005722, AC004156, Z99570, AB020871, AC007664, AC007537, AC004148, Z98048, AC008018, AC007021, AL109984, AL022238, AC005049, Z83732, AC004983, AC006449, AC005538, AC007193, AP000311, AC002347, AC007057, AL133448, AL031281, Z92542, AC005057, AP000049, AL022323, AC005962, AC004910, AC006014, AL022316, AC004816, AC005011, AC004699, AC005180, AC007934, AL024507, AF030453, AC004998, AF003529, AL139054, U62317, AF037338, AC009247, AB020870, AL096791, AC005911, AF196779, AC005484, AC007684, AC004797, AL031778, AB023048, AC003110, AL031597, AL035695, AL008734, and AP000088.
HJABV57	2457	839528	1 - 661	15 - 675	AA310405, A30438, I25947, U46128, I40401, AR040601, and AJ133038.
HJABW28	2458	958721	1 - 368	15 - 382	AA310349, H63791, H63751, AA488739, AC004236, AC004466, and AA249375.
HJABX33	2459	966611	1 - 425	15 - 439	H64513, and AA310354.
HJABY68	2460	861548	1 - 483	15 - 497	AA310646, AA354853, AW405591, AW402676, N76224, N42680, and AI290663.
HJABZ52	2461	857454	1 - 438	15 - 452	AA310693, H83593, AA236501, AF150367, AL035563, Z61190, Z60182, and AF161557.
HJACB80	2462	746411	1 - 545	15 - 559	AI094227, W92159, AA825437, R02713, AW205546, T86217, AA885954, W86575, AA904189, W86709, F17491, AA310834, and AC008014.
HJACC59	2463	534867	1 - 505	15 - 519	AA310956, AA355111, W79349, D81026, C15076, C14389, AW377671, D80522, D59467, D80164, D59502, D81030, D80166, D80193, D80195, D80391, D59787, D59627, D80133, D59275, D80038, D80022, D80212, D59619, D80210, D80240, D50979, D80196, D51213, D80227, AA305409, D80219, D58283, D51022, D59859, C14331, AW384820, D50995, AW384832, D51423, D51799, D80253, D80251, D80043, D80045, AA305578, D51060, D80269, AA309971, D80248, C06015, D80258, D80188, D59927, D59610, D57483, D80378, D80366, T03269, D80268, AW178986, D59889, D80024, AA514188, D80439, AW177440, T11417,

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HJACC67	2464	518222	1 - 343	15 - 357	

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HJACE47	2465	589114	1 - 298		15 - 312	AA311100, and AA355655.
HJACE79	2466	666768	1 - 461		15 - 475	AA311091, AA354762, D58283, D80043, D80268, C14389, D80188, D57483, D80022, D80166, D80253, D80195, D80391, D51423, D59619, D81030, D59859, D80210, D51799, D80240, D80196, D80212, D80227, D50979, D59502, D59927, D80219, D59275, D50995, D59889, D80038, D80193, D80269, D59787, D59610, D80366, D51060, D80024, D80164, D80241, D80522, D59467, D80378, C15076, D80045, D81026, AW177440, AW177501, AW177511, C14014, AW377671, AA305578, C14331, AW352117, AA514188, AA514186, AA305409, D51022, D80248, T03269, AW178893, AW352120, D80247, AW360811, D80251, D80133, AW179328, T03116, D58253, AW375405, AW360844, AW378532, AW178906, AW179024, AW177505, AW178775, D80132, AW366296, D51213, AW360817, D51250, D80302, AW375406, T11417, AW352158, AW378534, AW352171, AW178762, AW179332, AW377672, AW377676, AW179023, AW178905, D80439, D80134, F13647, AW178754, AW177731, AW352170, AW360841, AW179020, AW178909, AW177456, D52291, AW178907, AW179019, AW179018, AW178971, AW179004, D51079, D59627, D80168, AW178781, AW179017, D80014, AW178980, AW179329, C14227, AW179012, AW352174, D81111, AW177733, AW378528, AW178908, D51103, AW367967, C06015, D80157, AW178774, AW378540, Z21582, AW178983, D51759, C14407, AW179009, AW178914, AW378543, AW378525, C14298, D80064, AI905856, AW352163, AW178911, AW177728, T48593, D58246, D59503, AA285531, AA809122, T02974, AW360834, AW178986, D58101, D45260, D80258, AW177734, C03092, H67866, AW367950, AI525923, AI557751, AW369651, H67854, D60010, AW378533, AW378539, D51097, D59474, C14344, D45273, D51231, AI525917, D59317, AW179013, AW178759, C14973, T03048, AI525227, D51221, C14046, AI525920, AA514184, AI557774, AI535961, AI535686, C16955, H67858, D59551, Z33452, Z30160, AI525912, AI525235, AI525242, AW378542, AI525925, AI525927, AI525215, C05763, AI031005, A62300, AJ132110, A84916, A62298, AR018138, AB028859, AF058696, AR008278, X67155, Y17188, D26022, A25909, A67220, D89785, A78862, D34614, Y12724, A82595, D88547, A94995, AB002449, AR060385, X82626, AR016808, AR008443, AR025207, I50126, I50132, I50128, I50133, AR060138, AR066488, AR016514, A45456, A26615, AR052274, AR066490, Y09669, A43192, A43190, AR038669, AR066487, I18367, AR054175, A30438, X68127, I14842, AB012117, D50010, Y17187, A63261, A70867, AR008277, AR008281, AR008408, A85396, D88507, AR066482, A44171, AR062872, A85477, AR016691, AR016690, U46128, I19525, A86792, X93549, D13509, A64136, A68321, AR060133, I79511, AF123263, and AR008382.
HJACF14	2467	659329	1 - 635		15 - 649	AA311125.
HJACF47	2468	507156	1 - 910		15 - 924	W94499, AA311178, AA568770, AI376314, and AL117328.
HJACH86	2469	784634	1 - 258		15 - 272	AA311347, and AC002310.

HJADD60	2470	708664	1 - 321	15 - 335	AA713522, AA687156, AA459001, AA250811, and Z98946.
HJBAB01	2471	961088	1 - 292	15 - 306	AA355427.
HJBAD34	2472	508225	1 - 121	15 - 135	AA355455, AA355516, and AC005156.
HJBAG75	2473	523069	1 - 266	15 - 280	AA355499.
HJBAT26	2474	522697	1 - 269	15 - 283	AA356012, AI969579, AA913841, AA846697, AI224479, AA505890, AI360528, and AA765212.
HJBAX43	2475	929793	1 - 290	15 - 304	AA356074, and AC000065.
HJBBD13	2476	765075	1 - 198	15 - 212	AA356340.
HJBPC53	2477	574259	1 - 414	15 - 428	AA306860, AA312440, AI478642, D59627, D80168, D59695, D52291, T03048, D45273, D51213, C16955, C15076, D59275, C14298, AA305578, D80251, D80949, D51799, D51079, D80269, D57483, D59467, D80227, D80366, D59889, D80253, D81030, D80164, D50979, D59610, D80024, D80212, D80195, D80196, D80188, D80219, D59502, C14389, C14331, C14407, D80045, D50995, AW360780, D58283, D51022, D59859, D80022, AA305409, D80166, D51423, D59619, D80210, D80391, D80240, D80043, D59787, D80064, D80038, D80378, D81026, D80241, D80193, D59927, D80228, C14227, AA514188, D81111, Z33452, D80258, D59503, D80014, D58246, D58101, D80133, AI535686, D51060, AI557774, D80248, T11417, AW377669, D52059, T02974, F13647, C14014, D80522, Z21582, Z30160, C06015, C14077, AA514186, AW377661, H67854, H67866, D59551, D80268, AI525216, AI525228, N66429, AI557751, D60214, D80302, AA809122, AI525969, D59317, C14344, D80439, C03092, D80157, C13958, C14973, D59474, T03116, D80247, C04682, T02868, AI525978, D51103, AA514184, AI525238, D51759, D51221, AI525242, AI525903, AI525923, C14002, AI525920, H67858, D31458, AI525227, D45260, C05763, AI525237, AI525235, AI525912, AI525215, AI535961, AA305720, AI525917, AC003682, AJ132110, A84916, AR016808, AB028859, X64588, A62300, A62298, AR018138, AR008278, AB010386, AF058696, I79511, AR060385, AB019242, U37689, I81198, AB002449, I14842, A82595, A47134, AR054175, AR008277, AR008281, AR060382, and Z82022.
HJBDB28	2478	839067	1 - 199	15 - 213	AA306009.
HJBDG57	2479	750669	1 - 454	15 - 468	AA306410, AW245824, AA313296, AA306336, AW245551, AA304936, AI525315, AA355587, AA382974, AA313343, AA158977, AA360010, AA158998, AA312340, AA341482, AW403283, AA355541, AJ010058, Y18418, AF099084, AF070735, AB012122, AF100694, AB001581, and AB002406.
HJBDL14	2480	960109	1 - 565	15 - 579	AA306649, N76633, Z40822, and Z97989.
HJKSB86	2481	523007	1 - 336	15 - 350	
HJPAH35	2482	509162	1 - 312	15 - 326	AA356898.
HJPAT51	2483	730875	1 - 335	15 - 349	Z25932, and Z25922.
HKBAC12	2484	857298	1 - 743	15 - 757	AI940546, AI859744, AI459866, AI671077, AW236342, AA372106, AW265654, AA024517, AW440976, F23274, F34826, AW406162, F34511, AA614010, AI291124, AI079869, AA634855,

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HKBAQ43	2485	934251	1 - 44	15 - 58		
HKBAT27	2486	963724	1 - 766	15 - 780		T07417.
HLADA25	2487	791845	1 - 428	15 - 442		
HLADA89	2488	786490	1 - 471	15 - 485		AA159634.
HLADB78	2489	760896	1 - 374	15 - 388		AA259081, and AA256010.
HLEAO21	2490	531287	1 - 95	15 - 109		
HLEDB91	2491	787578	1 - 109	15 - 123		
HLKDB22	2492	766876	1 - 837	15 - 851		AA701968, AI038071, AI913968, AA478730, AA479434, and AC000123.
HLKDC49	2493	722400	1 - 783	15 - 797		AA127898, and AA127851.
HLICD11	2494	967337	1 - 322	15 - 336		
HLMAC43	2495	799766	1 - 368	15 - 382		
HLMAE45	2496	783886	1 - 309	15 - 323		
HLMAE62	2497	796676	1 - 163	15 - 177		N71728.
HLMAE83	2498	530107	1 - 297	15 - 311		
HLMAH45	2499	954125	1 - 532	15 - 546		H04096, H04118, AI085270, AI348611, H03415, H03398, H87153, AI184354, and AW382616.
HLMAH60	2500	856858	1 - 108	15 - 122		
HLMAJ54	2501	811183	1 - 362	15 - 376		AI972605, AI825634, AA291745, AA281084, AA836598, AI301258, AW207800, AI468330, AI559377, AI423842, AW138405, AA398529, AA428226, AW137882, AW149488, AI277002, AW135764, AI630822, AI802000, AW027943, AA746502, AI479965, AW207230, AI436232, AI299005, AI992316, AI277010, AI805270, AI819704, AA477763, AI333133, AI091828, AI018332, AI369454, N95248, AW134617, AI017173, AA535795, AW274817, AW137677, AW203971, AA293668, AW140143, AI970870, AW184019, AA526926, AA831623, AI589653, AA745853, AI670914, AI468159, AI221290, AA304437, AW139897, H97046, AA724268, AI247557, AA737067, AA293000, AA706959, N78408, AF007887, and AC007041.
HLMAJ84	2502	615300	1 - 296	15 - 310		
HLMAN25	2503	677519	1 - 153	15 - 167		
HLMAU11	2504	954571	1 - 286	15 - 300		
HLMAU43	2505	856884	1 - 136	15 - 150		
HLMAU70	2506	732665	1 - 388	15 - 402		
HLMAV62	2507	671905	1 - 126	15 - 140		AC002073.
HLMAZ06	2508	960557	1 - 428	15 - 442		AA262581, H77920, AI479768, AA810033, AI440530, AA584862, CI5362, AI110760,

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HLMZ14	2509	932679	1 - 249	15 - 263		AI762175.
HLMZ72	2510	821500	1 - 592	15 - 606		AI821467, AI694977, AA230143, AC006480, Z83838, Z81370, AL022324, AC007227, AC005057, Z98950, AC006054, AF045555, AC005668, AC006285, AC007917, AP000704, AC005081, AC005821, AL049869, AC002395, AL031662, AC002449, AP000689, AC004185, AC002563, L29074, AC006039, AC000052, AC016025, L78810, U52112, AF088219, AC004019, AF152365, AP000509, Z85996, AC004150, AL050338, AC009044, AC004000, AC002059, AC003077, AF064866, AL020993, and AC004638.
HLMZ91	2511	920216	1 - 239	15 - 253		Z97352.
HLMBB25	2512	792549	1 - 242	15 - 256		AA012851, H86413, AA019024, and H86637.
HLMBB43	2513	530611	1 - 343	15 - 357		AC020663.
HLMBB56	2514	968209	1 - 366	15 - 380		
HLMBB77	2515	799744	1 - 331	15 - 345		AA219006, F08248, AI053911, AI9333714, AW149313, AA846876, AI056177, AA297666, AI537772, AI494539, AI870197, AI636730, AA410788, C15060, AL037632, AA838190, F12561, N35602, AA127426, AW020088, T07039, AA308716, AA584378, AA621381, AI524360, AA961035, AA588001, AW148507, AA541423, AA213959, AA515457, AW275510, AA575911, AA580808, AA828042, AA747778, AL045808, AL046156, AI791913, AA501649, AW341978, AI792133, AI821714, AW149156, H07953, AW419262, AA630672, AI133297, AW179306, AW270343, H71429, AA954924, AA829036, AI344995, AI311276, AA493975, AA478355, AI925579, AA508359, T92321, AW235497, AI499588, AA878409, AL138182, AI287475, AA487621, T74524, AI311927, AL079645, AA493708, AA714276, AA613232, AI223700, AA228778, AA488746, AW023865, AA827231, AW274349, AI687343, F13808, AW378532, AA457070, AA086368, AA663461, AA326139, AA484267, AA372481, AA659360, AA503119, AA436774, AW303196, AA828749, AI648410, AL042927, AA502991, AA745507, AI250281, AW179305, AI282511, AI341571, H73550, AA436782, AA456578, AA522642, AA903253, AI873990, AA469400, AI284640, AI754567, AL035847, AI755214, AA827215, AA355379, AA847702, AA137013, AA658362, AA309257, AI745151, AI431240, HI2071, AA380354, AI619436, AA515905, AL046409, AA683082, AL041373, AW408729, AA378690, AA508809, AA745406, AI821785, AA446657, HI8914, AA833896, AA533463, AA833875, AA767963, AA508104, AA371482, AA557883, AL036037, AA469451, AA207033, AW196064, AA564865, AL041526, AI678368, AA526856, AA501852, AI791150, AW301350, AI818231, AA463590, AW020340, AI720058, AI040342, AA715814, N23504, AW172999, AI733856, AA732253, AA749235, AA610219, AI678785, AL048925, AW022655, AA568754, AI292257, AI377161, AI345891, AA788901, AA644090, AA531079, R89542, AA620467, AA630860, AA581123, AA502860, AW250905, AI149478, F25733, AI732677, AI281881, AA846907, AW130962, AB029885, U62317, AP000211, AP000133, AC006213, AC005778, AC006144, AC007298,

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HLMBB80	2516	950730	1 - 355	15 - 369	
HLMBF68	2517	753614	1 - 551	15 - 565	AA548350, and AL035209.
HLMBQ04	2518	615621	1 - 430	15 - 444	
HLMBQ77	2519	954969	1 - 726	15 - 740	AA287609, AW305191, and AA309915.
HLMBU64	2520	577608	1 - 228	15 - 242	
HLMBU82	2521	799755	1 - 331	15 - 345	AL035413.
HLMBV11	2522	967669	1 - 442	15 - 456	AA383383, and AC009509.

HLMBV14	2523	682023	1 - 396	15 - 410	
					<p> AI471481, AA317973, AW088202, AA350859, AA650244, AI679379, AI284640, AI688846, AI446464, AA469451, AI251002, AA228420, AI041368, AI679888, AW264973, AI286264, T07451, AI046409, H63607, AI339850, AW440836, AW274349, AW131034, AW193432, AI918421, AI962050, AI273185, AA826303, AI619997, AW029038, AI929531, AW236342, AW419262, AA515128, AI890923, AW166815, AA886584, AA659083, AI040130, AA515051, F36273, AI610159, AW162049, AI824562, AI042420, F29989, AA977743, AW303196, AI431303, AA713815, AW301350, AA483068, AA364456, AI043721, AW193265, AI904894, AI537955, AI133636, AI567674, AI873916, AA594145, AA598824, AI625244, AF150222, AI679782, AA190613, AW088058, AA365347, AI133164, AI341664, AI120674, AA664535, AI278997, AI281697, AI350211, AI038785, AA229785, F18974, AI205126, AI608626, AA077817, AI653886, AI334443, AI053672, AI064864, H64777, AI613280, AA133986, AW055226, AA243452, AI469172, H88666, AI312149, AI830390, N25296, AI628288, AI282832, AA044863, AI119391, AI049722, AI951889, AW028400, AI287528, AA318652, AI017024, AW276827, AA177061, AI917271, N29933, AI286356, AA252763, C06458, AI138265, AW406447, AI537030, AI270117, AI951928, AI345654, AA021367, AI281903, AA385100, AA515224, F37169, AI289067, AI291124, AA634146, AW276435, AA771811, AI287485, AI821356, AI375710, AI340453, AA515435, AI291268, AI041412, AI041690, AA745410, AI358571, F32654, AA377730, AI301273, AA468131, AI168185, AI144330, AI110770, H39611, AW261871, AC003971, AI021368, AI031387, AI109985, AC000004, AF117829, AC007999, AI132994, AC002564, AI049830, AC004859, Z75741, AJ006996, AC004594, AC006430, AI031224, AC010170, AI035458, AI023284, AC005999, AI035416, AC006160, AI117356, AC003954, Z96074, AC004459, AI031286, AC005694, AP000705, AI096829, AI121578, AI035422, AI035446, Z84719, AI109759, AI022397, AI121871, AC006511, AI021397, Z98255, U91326, AI049777, AC005529, AC006479, AF029308, AC006238, AI008708, AC007073, AC008268, AC006459, U89335, AC004819, AC004677, AC006044, Z97205, AC005527, AC005832, AI096769, U70984, AC005844, AI109622, AC005191, AI009172, AP000519, AC004592, AI136297, AC006251, AC007051, AP000014, AI049709, AC006020, AB023056, AC003075, AI121823, AI035687, Z77249, AP000152, AP000011, AI109807, AC007546, AI008719, AC006525, AI022160, Z74696, AI035067, AC002544, AP000515, AI031733, AF064857, AC002457, AI023580, AC004864, Z84814, AC000073, AC000085, AF049895, AC005084, AP000473, AI096767, Z98946, AI117351, AI109984, AI023582, AC003015, AC004702, AI021026, Z98200, AI031734, AI033403, AC006256, AP000307, AI050305, AC004769, AC008149, AI110505, AB000882, AC006417, AI109653, Z73986, AC005539, AC007750, AI132800, U69730, Y10196, AC006946, AF109076, AC003029, AF172277, AP000080, AC007214, AC002381, AC006374, AI031391, AI109837, AC002531, AC003045, AI135746, AC007115, AI022310, AC006249, AI049873, AJ239322, AI021877, AC006040, AI022319, AI136363, AI031782, AC005863, AC005909, AC004979, AC004842, </p>

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HLMBV24	2524	825595	1 - 232	15 - 246	
HLMBV72	2525	688069	1 - 295	15 - 309	
HLMBW11	2526	950728	1 - 925	15 - 939	A W009940, AI394293, AI082857, AA227673, AW207417, AA491391, N99896, AA491389, AA227560, AI000839, AA361942, and AF156884.
HLMBX06	2527	954576	1 - 397	15 - 411	AW409578.
HLMBX19	2528	879667	1 - 233	15 - 247	AC007539.
HLMBY16	2529	531053	1 - 193	15 - 207	
HLMBZ31	2530	967640	1 - 270	15 - 284	
HLMBZ47	2531	577605	1 - 348	15 - 362	AC003070, and AL135783.
HLMBZ73	2532	531401	1 - 209	15 - 223	
HLMCA13	2533	790952	1 - 398	15 - 412	R61738, AL117647, AB023195, and AL117518.
HLMCA22	2534	529185	1 - 257	15 - 271	
HLMCJ32	2535	799767	1 - 337	15 - 351	
HLMCJ64	2536	739397	1 - 314	15 - 328	AA719251, and AC005839.
HLMCJ66	2537	707231	1 - 83	15 - 97	
HLMCK45	2538	698342	1 - 268	15 - 282	
HLMCL50	2539	921041	1 - 179	15 - 193	
HLMCL93	2540	799699	1 - 620	15 - 634	AA192733.
HLMCT06	2541	954615	1 - 378	15 - 392	AC005696, AC006536, AC004500, AC004589, AL096773, AC007023, AC007057, and AL132712.
HLMCT15	2542	507212	1 - 244	15 - 258	
HLMCT24	2543	921543	1 - 231	15 - 245	AL035086.
HLMCT79	2544	916590	1 - 344	15 - 358	AW268314, AA767276, AI032114, F18098, AC007993, AC008085, AC006543, AC006544, AC005697, AC004686, AC005632, AC005730, AP000152, AP000011, AC009542, AC009330, AC005606, Z83840, AC002094, U91319, AC016026, AL023096, and AC002454.

HLMCT93	2545	888976	1 - 336	15 - 350	
HLMDE76	2546	529184	1 - 92	15 - 106	
HLMDR04	2547	694910	1 - 53	15 - 67	
HLMDR14	2548	799739	1 - 369	15 - 383	
HLMDR52	2549	571415	1 - 170	15 - 184	
HLMDH54	2550	527128	1 - 495	15 - 509	
HLMDH78	2551	532741	1 - 249	15 - 263	
HLMDJ37	2552	577239	1 - 418	15 - 432	
HLMDJ48	2553	720893	1 - 342	15 - 356	
HLMDN83	2554	799742	1 - 340	15 - 354	
HLMDO02	2555	920859	1 - 235	15 - 249	
HLMDO18	2556	527896	1 - 136	15 - 150	
HLMDO61	2557	584982	1 - 141	15 - 155	
HLMDO65	2558	742749	1 - 456	15 - 470	
HLMDP35	2559	535500	1 - 247	15 - 261	
HLMDQ37	2560	531232	1 - 126	15 - 140	
HLMDQ40	2561	531234	1 - 188	15 - 202	
HLMDQ60	2562	920837	1 - 368	15 - 382	
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HLMDR16	2563	530103	1 - 113	15 - 127	
HLMDR33	2564	959707	1 - 416	15 - 430	
HLMDR70	2565	531235	1 - 94	15 - 108	
HLMDT17	2566	531231	1 - 210	15 - 224	AL050337.
HLMDU04	2567	571393	1 - 281	15 - 295	
HLMDU07	2568	930471	1 - 456	15 - 470	AI654933.
HLMDU17	2569	528040	1 - 219	15 - 233	AL080243.
HLMDU43	2570	575607	1 - 359	15 - 373	AI337315, AI492017, AI565658, AI565657, AI651781, AI591214, AI565667, and AL022316.
HLMDU54	2571	856877	1 - 320	15 - 334	Z74023, and AF172244.
HLMDU71	2572	531228	1 - 316	15 - 330	
HLMDU96	2573	799729	1 - 309	15 - 323	
HLMDV96	2574	934543	1 - 813	15 - 827	AI824014, and T79467.
HLMDW28	2575	531230	1 - 293	15 - 307	
HLMDW58	2576	799749	1 - 282	15 - 296	
HLMDX46	2577	523771	1 - 306	15 - 320	
HLMDX59	2578	739523	1 - 404	15 - 418	AA666254, R96738, R35404, AI571161, AA584484, AA740297, AA657778, AW089952, AA297844, C05714, H60313, AA587995, AI266003, H51835, H58666, N80546, AI682665, AI382324, T61514, AL118980, AI886056, F00818, AW079664, AI814739, AA603530, AA826081, AA515457, AI865807, AW068316, AA608751, AI872513, R07267, AA639946, AI289941, AI289942, AI955697, AA693484, AL049273, AL135744, AC003109, AC006238, AI246003, AC007537, AC005736, AC005520, AL049757, AC005015, AC007057, AL049872, AI010598, AL031291, AC006480, U91325, Z81314, AF187320, AL049748, AL034429, AC005210, AC007899, AF121781, AL121658, AL031670, D86995, AC002430, AC016025, AL021154, AL035249, AC007384, Z97056, AP000269, AP00032, AP000103, AC006064, AC005368, AC006088, AC007731, AC005971, AC005500, AC006026, AL050348, AC005859, AL020997, AC005914, AC006449, AC002511, AC002369, AP000347, AC002470, AC005513, AL023694, AL133448, AL020993, AL031803, Z94057, Z85986, AF047825, AC004383, AC005569, U91321, AL121655, AP000558, AC006080, AC001228, AF001549, AF111168, AP000350, U62293, AL031281, AL109827, AC007327, AC007308, AC005820, Z98941,

					AC005695, AC007546, AF001550, AL008582, AL022165, AC006112, AC000134, AC004228, Z84480, AC002477, AP000555, AC005839, AC008585, AB023048, AC002492, AC007686, AC002549, AC004882, Z97053, AL096763, AC007845, AC003682, AC008149, AL031659, AC004531, AC007766, AC006539, AL049745, AL096791, AC004876, AL031311, AC002045, AC005730, AC009516, AL121653, AC005826, AL109627, AL096701, Z97630, AL022726, AL031431, AL049539, AC004896, AC006441, AL035086, AC005829, AC003043, AC002472, AF196779, AL023553, AC004782, AC005412, AC006130, AL022097, Z86090, AC005899, AC006430, Z69715, AC007999, AC007372, AC004821, AF207550, AC005195, AP000348, AC008984, AC005225, AL080242, AC006930, AC004598, AC005377, AL049837, Z46936, AP000355, AC005529, AC004929, U47924, AJ003147, AC005295, AC005531, U85195, AP000134, AL109758, AL050318, AC004643, Z69713, Z83841, AL049843, AE000658, AC004386, AL031685, AC002407, AC004686, AC005969, AC002316, Z93930, AB023051, AL021578, AC005363, AC005519, Z70289, AC007096, AC006077, AC003006, Z98885, U07563, AL035443, AL109963, AC007262, AC004253, AC002133, and AC003101.
HLM DX71	2579	799758	1 - 356	15 - 370	AA336841, and AL080172.
HLM DY24	2580	531219	1 - 408	15 - 422	AC002400.
HLM DY48	2581	666518	1 - 118	15 - 132	
HLM DY56	2582	518410	1 - 92	15 - 106	
HLM FA56	2583	730947	1 - 285	15 - 299	
HLM FA72	2584	531359	1 - 316	15 - 330	AC002299.
HLM FB58	2585	577643	1 - 352	15 - 366	
HLM FD75	2586	799682	1 - 524	15 - 538	
HLM FG58	2587	573130	1 - 344	15 - 358	
HLM FG66	2588	676040	1 - 435	15 - 449	
HLM FH74	2589	671941	1 - 423	15 - 437	
HLM FI89	2590	526929	1 - 185	15 - 199	
HLM FK45	2591	531222	1 - 253	15 - 267	
HLM FK63	2592	888660	1 - 574	15 - 588	AA305578, AW366296, AW375405, AW177440, D59859, AW360811, D81030, AW377671, AA305409, AW178893, AL905856, D80314, C14389, AW178906, AW179328, AW375406, AW378534, AW179332, D58283, AW377672, AW179023, AW178905, D80022, C14331, D80166, D80195, D80193, D59927, D59467, D51423, D59619, D80210, D51799, D80391, D80164, D59275, D80240, D80253, D80043, D59787, D80227, D59502, AA514186, AW378532, T03269, D81026, D80269, C14014, D80212, D80366, D51060, D80196, D80188, D51022, D80248, D50979, D80219, D80522, D50995, AW352170, AW378528, AW178762, D80268, D80038, C15076, AW377676, AW352171, D57483, AL535850, AW177731, D80439, D59889, D80133, AW178907, D80045, AW179019, AW179024, D80247, AA514188, D80302, T48593, AW367967,

						AW179020, AW178775, AW178980, AW177733, AW178908, D80132, D80134, D51097, D58253, D51103, AR008278, D88547, Y12724, X82626, A84916, A67220, D89785, A62300, A62298, Y17188, AB028859, A78862, D34614, A94995, D26022, AJ132110, AR018138, X67155, AF058696, A25909, AR008443, I50126, I50132, I50128, I50133, AR066488, AR025207, A82595, AR016514, D50010, D13509, AR060138, A45456, I18367, A26615, AR052274, Y09669, AR060385, AB002449, AR066487, AB012117, A43192, A43190, AR038669, A30438, AR008408, AR066490, and AR060133.
HLMFK70	2593	856861	1 - 187	15 - 201		AC005486.
HLMFK92	2594	571369	1 - 361	15 - 375		AW361623, AI986246, AA535516, AW128941, AW337206, C16928, and C02317.
HLMFL71	2595	526928	1 - 354	15 - 368		AA150787, AA147514, AC006255, AR026676, AC003695, AC002091, AL050034, and AF083068.
HLMFN24	2596	781780	1 - 313	15 - 327		
HLMFN68	2597	799751	1 - 392	15 - 406		
HLMFR49	2598	842045	1 - 165	15 - 179		
HLMFR72	2599	799709	1 - 356	15 - 370		AW027339, and AA812373.
HLMFU09	2600	909666	1 - 372	15 - 386		AA004442.
HLMFU13	2601	657283	1 - 289	15 - 303		AL133246.
HLMFU39	2602	856872	1 - 326	15 - 340		
HLMFU52	2603	727197	1 - 319	15 - 333		
HLMFU90	2604	699667	1 - 323	15 - 337		
HLMFW19	2605	534799	1 - 302	15 - 316		
HLMGK40	2606	531355	1 - 337	15 - 351		
HLMGK50	2607	927675	1 - 289	15 - 303		AA668863.
HLMGP66	2608	799725	1 - 326	15 - 340		
HLMGP96	2609	531225	1 - 167	15 - 181		
HLMGY13	2610	921457	1 - 280	15 - 294		R98835, N52276, AA165353, AA583579, AA730488, AW085542, AA583568, AW270429, AA682889, AW270351, AI360504, AA052973, W42587, AL036070, AA322542, AW051819, H48413, AA363003, AL048275, T40550, F00564, T39390, AA470567, C15362, T30418, AI268019, N72170, R95840, AC005081, AC005015, AC007114, AI031259, AC007200, AC007687, AL136168, AC000120, AC005920, AL109809, AL132987, AC007225, AL008718, U95739, AF029308, AC004750, Z93930, Z83840, AC002466, AL022313, AC006011, AC002312, AC007051, AC005089, AC007919, AL049780, AC007055, AC005180, and AC005924.
HLMGZ09	2611	625638	1 - 290	15 - 304		AA205292, and AC005180.
HLMGZ33	2612	805813	1 - 295	15 - 309		AA938180.
HLMHD65	2613	799736	1 - 342	15 - 356		AL022331.
HLMHG83	2614	799770	1 - 383	15 - 397		

HLMHG84	2615	572412	1 - 99	15 - 113	AC006117.
HLMHH39	2616	823450	1 - 479	15 - 493	D87432.
HLMHH40	2617	878117	1 - 325	15 - 339	H44968, AI422305, AI554649, AI433337, AI250867, AI160234, AA503975, R50669, AI672302, AI870048, AW051623, W88425, AW363795, AB022524, AJ012652, and AB012162.
HLMHH57	2618	714813	1 - 441	15 - 455	
HLMHK16	2619	571414	1 - 317	15 - 331	
HLMHK58	2620	799782	1 - 437	15 - 451	
HLMHK61	2621	856848	1 - 342	15 - 356	AC002301.
HLMHK62	2622	579101	1 - 193	15 - 207	AA700441.
HLMHL60	2623	778481	1 - 220	15 - 234	
HLMHM63	2624	578838	1 - 219	15 - 233	AA765146.
HLMHN21	2625	516580	1 - 404	15 - 418	AA285377, AA283300, AW404274, and W24845.
HLMHN27	2626	856846	1 - 318	15 - 332	AI344280, and AW274081.
HLMHN31	2627	925730	1 - 1073	15 - 1087	AA809335, AA836164, AA972108, AA765694, AA836103, AI364926, AA485705, AA485839, AI357107, AI702527, AW084056, AI310575, AI340533, AA693331, AA127565, AA001397, AI334893, AA669025, X80340, M96857, U86379, AI137479, Y10655, AF068229, AF091084, AI137267, AI137558, AF093119, AI110225, AL080126, and X57961.
HLMHN37	2628	723081	1 - 339	15 - 353	
HLMHN45	2629	668906	1 - 256	15 - 270	AC005600.
HLMHO11	2630	964945	1 - 125	15 - 139	
HLMHO21	2631	799772	1 - 224	15 - 238	
HLMHO33	2632	799756	1 - 313	15 - 327	
HLMHP67	2633	967636	1 - 343	15 - 357	
HLMHP74	2634	953956	1 - 281	15 - 295	AA730448, AI174535, AI674840, T90861, AC004257, AF107258, AC003029, Z95116, AC005764, AC008015, AC004491, AL080274, AL033525, Z98044, AC005803, Z73979, AC000353, AL034376, D86993, AL035608, AC004560, AC004876, AC003035, AC005523, AC005529, AL049569, AL078463, AC002350, AL050318, AC004983, Z97054, AC007637, AL049712, AC016025, AC005553, AC005722, AC002558, AL109758, AF196779, AC006511, AC007278, AP000555, AC003101, Z99128, AC000379, AL133445, AC004659, AL080243, AP000038, and AP000106.
HLMHR25	2635	920711	1 - 297	15 - 311	
HLMHR55	2636	825530	1 - 204	15 - 218	
HLMHS31	2637	752375	1 - 308	15 - 322	AB028953.
HLMHS41	2638	574741	1 - 219	15 - 233	
HLMHS66	2639	574742	1 - 582	15 - 596	AA234939, AI016356, AI742982, AI089004, AA236782, AI468803, AA236830, AW242613, and AA234938.

HLMHT67	2640	579048	1 - 342	15 - 356	
HLMHT94	2641	531054	1 - 271	15 - 285	
HLMHU80	2642	799723	1 - 282	15 - 296	
HLMHW31	2643	536579	1 - 331	15 - 345	AA351877, AI377249, AI377250, AI239499, AC005274, AL132777, and AL023655.
HLMHY64	2644	866458	1 - 624	15 - 638	AI251696, AI224583, AI254508, AL036896, AI890297, AW338376, AA171400, AI439525, AW238341, AW189371, AA425283, AA642809, AI754926, AA807704, AA469230, AA218684, AI473671, AA669238, AA720582, AI185990, AI801479, AA707747, AA525423, AA679946, AA503298, R99253, AW270468, AI279417, AA601712, AI277373, AI754257, AA084320, AA286836, AW274078, AI278440, N26159, AA197089, AI890468, AA180056, AA713946, AA814503, AI904840, AI860423, AA523812, AI890111, AA828045, AI332615, AA224759, AI744199, AI733523, AA829565, AI913167, AI049994, AI869797, AI800426, AA873737, AW089625, AW328446, AI095206, AL078584, AC005529, AC005527, AL139054, AC006441, AC005940, AC006449, AL024498, AL022316, AC004636, AC004242, AC005225, AL121923, AL121754, AC004973, AC003104, AC006581, AL031347, AC004099, AC004382, AL109798, AC004870, AL122023, AC005520, U52111, AP000510, AC005288, AC006947, AC005914, AC006030, AL031427, Z99129, AC010077, AI251973, AL034420, AC005823, AC005081, AB023048, AC004797, AL021707, Z83840, AL049776, Z82245, U80017, AC006023, AF111168, AC003682, AF111167, AC005210, AC007066, AL049712, AP000089, AC004755, AL022237, AP000141, AC018769, AC007052, AF190465, AC005837, AC003969, AP000501, U73634, AC007488, AC005620, AC007030, AF196969, AP000359, U78027, AL021393, AC004156, AC004263, Y14768, AL031284, AF129756, AC009336, AC006538, AC003036, AD000092, AP000505, AL035072, AF205588, AF015720, AC003007, Z99774, AL022320, D87675, AL035422, AC005070, AC006211, AC006071, AC004638, AC002433, AC005412, AL049761, AL109839, AC005399, AL034548, Z95116, AL022097, AC002347, AC004448, AC007685, AL117258, AC005859, AP000503, AC005803, AL031311, AC005632, AL109963, AC003663, AL033533, AC006060, AL049869, AL033381, AL049793, U82668, AP000694, AF196972, AC007546, AC004967, AC004963, AC005908, AL031286, AC006277, AI229041, AC002991, Z98051, AF130248, AC008154, AC002045, AC002470, U95742, AC005778, AC005937, AL023803, AL031602, AC004150, AL049552, AC004814, Z86090, AC007216, AL009181, AL078621, AC004409, AC005180, AL109827, AL035458, AC006101, AC004021, AC002369, AC005695, AC009288, AC007563, AC007536, AC004584, U91326, AL031589, AC007708, AC016025, Z97630, AC005160, AC005231, AC002350, AL022165, AC004816, AP000354, AF134726, Z93017, AL023575, AL049759, AL035462, Z80998, AC005874, AF134471, AL033527, AC006948, AP000557, AC002314, AC007096, AL121652, AC012099, AC002544, AP000552, AC007390, AC004583, AL033392, AC008018, AC004004, AL049780, AC007068, AC005730, AC002302, AP000511, AC004887, AC004486, Z81315, AC005411, AL035460, AF207955, AC002367, AP000104, AP000032, AC002094, AC005261, AC006197, U91325,

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HLMHZ14	2645	799724	1 - 190	15 - 204	
HLMHZ59	2646	530071	1 - 184	15 - 198	
HLMIC94	2647	710391	1 - 279	15 - 293	AC002549.
HLMIE70	2648	578795	1 - 289	15 - 303	AC009363, and AC007182.
HLMIF22	2649	572424	1 - 132	15 - 146	AL031282.
HLMIG11	2650	967291	1 - 289	15 - 303	AA559319.
HLMIG50	2651	856845	1 - 572	15 - 586	AA569287, AA603349, AA639913, AA359559, AA524229, AA887181, AA359422, AA424170, AI569363, AW088581, AA491954, AA226519, AA081883, AA328334, AA485092, H61906, AL046471, AI962985, AA226204, Z98742, AC005972, Z83847, AC007277, AC006449, AC007216, AC005510, AC006251, AC005803, AL133445, Z98884, Z82180, AC006453, AL136295, AC004834, Z99716, AE000658, AC004707, AF038458, AC005280, AC006241, AL024507, AC004149, D83253, AF015720, AC004765, AC002565, AL078644, AC006441, AL031283, AC006120, AI229041, AL096703, Z96074, AC006060, AC005529, AC004106, AL022721, AC004878, AF053356, AL034406, AC008372, AL031659, AL132826, AC002563, AC006539, AL109798, AC002300, AC007021, U95090, AL031005, AC005102, AL133163, AC005291, AC006512, AC005599, AC005484, AC007899, AC004821, AF207550, AC004382, AC002347, AC004750, AC004966, and AL031668.
HLMIG72	2652	799747	1 - 317	15 - 331	H67040, W20228, AL049836, Z94160, AF196969, AC004509, Z97054, AC009501, AC006511, AL023753, Z82244, AF031078, AF030876, and AC002407.
HLMIH10	2653	964890	1 - 387	15 - 401	T03401, AA811741, AA488689, W00856, AA192764, T41134, T07327, AI174489, AA470567, H72444, AA364082, AA368329, AA411590, F00937, AA736713, AA434346, H54729, AA827383, AA741403, AI018726, AA481765, T03928, AA634822, AA527030, T83057, AI143653, AA663373, AA748840, AA279649, AI130709, AI536858, AI537995, AW148775, AI814682, AI291439, R95840, AI928890, AA831801, AA230221, AW190277, AA832016, AA668727, T68315, AA626595, AA598889, N80390, AI683019, AA587835, AA214453, AA214457, AA489240, AA713735, AA598497, AW236235, AA605243, AA167809, AA740571, AI873627, N72170, AA910316, AA714073, AA339123, AW272640, H78898, AI040472, AA598740, AA533660, T46997, AA513884, AA135761, AA079076, AW090710, H63220, AW019964, AI150934, AA666066, AA084950, AA846014, AA525407, N47820, H43183, AA515351, AW239465, AI624038, AW337805, AA015948, AA584788, N55296, AA192293, AI362694, AI860535, AI903464, AA084439, AA584531, AI732116, AI732176, N66744, AA594179, F19019, AI871691, AL039117, AA155817, H78855, AA680221, AA055667, AI114733, AI133552,

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HLMIH44	2654	883871	1 - 524	15 - 538
HLMIL62	2655	799713	1 - 422	15 - 436
HLMIM73	2656	576692	1 - 336	15 - 350

HLMIO47	2657	531224	1 - 173	15 - 187	R93381, H53163, H28130, R93382, H53060, AW015657, AI092249, T86432, H49391, AW190127, AA625561, AI339159, AW250827, AI357128, AI148823, AI818046, AA579979, AI439571, AI095655, AW246805, W72325, AA379087, AI817450, AI761511, AA625749, AA099988, AW081185, AW389525, AI885881, AA745180, AA805668, H64600, AA211386, W72109, U51698, AA973184, AI358231, AA379088, AA765921, AI744539, AI885882, AW377601, AA291023, AI933181, AI872742, AA992858, AI911887, AI337237, F37915, AA317577, F34702, W77795, H49202, AA732721, AC003103, AF161395, AJ249940, and AF083208.
HLMIP23	2658	686670	1 - 700	15 - 714	AI034373, H01560, AI760723, AI741933, AI808161, AA829766, AA768221, AA848005, AA824447, AA848006, AA766456, H01464, AA835854, AI222026, and T18554.
HLMIQ11	2659	921009	1 - 772	15 - 786	
HLMIQ72	2660	715650	1 - 358	15 - 372	
HLMIQ73	2661	764522	1 - 386	15 - 400	
HLMIQ93	2662	576657	1 - 310	15 - 324	
HLMIR23	2663	916938	1 - 345	15 - 359	
HLMIR40	2664	578756	1 - 433	15 - 447	
HLMIS03	2665	924651	1 - 337	15 - 351	
HLMIS16	2666	572430	1 - 256	15 - 270	
HLMIS64	2667	572509	1 - 348	15 - 362	
HLMIS77	2668	971141	1 - 298	15 - 312	
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HLMIS85	2669	578751	1 - 315	15 - 329	